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MEMORANDUM

Date: September 23, 2011

To: Naren Babu, Project Manager, OTIE
Superfund Technical Assessment and Response Team (START) for Region 5

Prepared by: Keely Meadows, START chemist for Region 4

QA/QC Concurrence by: Russell Henderson

Subject: Data Validation for
Kokomo Dump
Kokomo, Indiana
Project TDD No. TNA-01-11-08-0018

Laboratory: Spectrum Analytical, Inc. in Tampa, Florida.
Sample Delivery Group (SDG): 3503862

1.0 INTRODUCTION

The START chemist for Region 5 validated analytical data for 4 soil samples for volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs), 5 soil samples for toxicity characteristic leaching procedure (TCLP) VOCs and TCLP SVOCs, 5 soil samples for polychlorinated biphenyls (PCBs), 10 soil samples for Metals, 11 soil samples for TCLP Metals, and 1 water sample for VOCs, SVOCs, PCBs, and Metals. Samples were collected at the Kokomo Dump Site on August 19, 2011. The samples were analyzed under SDG 3503862 by Spectrum Analytical, Inc. of Tampa, Florida, Indiana using U.S. Environmental Protection Agency (U.S. EPA) methods 8260B, 1311/8260B, 8270C, 1311/8270C, 8082, 6010B/7470A/7471A, and 1311/6010B/7470A.

Laboratory data were validated using guidelines set forth in the U.S. EPA Contract Laboratory Program National Functional Guidelines (NFG) for Organic Data Review (EPA-540-R-08-01, June 2008), NFG for Inorganic Data Review (EPA-540-R-10-011, January 2010), and applicable methodologies. The purpose of the chemical data quality evaluation process is to assess the usability of data for the project decision-making process.

Organic data validation consisted of a review of the following QC audits:

- Chain of custody and sample receipt forms review
- Sample preservation and holding time
- Blank results
- Surrogate recoveries
- Matrix spike and Matrix Spike Duplicate (MS/MSD) recovery results
- Laboratory Control Sample (LCS)/Laboratory Control Sample Duplicate (LCSD) recovery results

Inorganic data validation consisted of a review of the following QC audits:

- Chain of custody and sample receipt forms review
- Sample preservation and holding time
- Blank results

- Duplicate Sample Results
- LCS recovery results
- MS/MSD recovery results

Section 2.0 of this memorandum discusses the results of organic data validation. Section 3.0 of this memorandum discusses the results of inorganic data validation. Section 4.0 presents an overall assessment of the data. The attachment to this memorandum contains the laboratory reporting forms as well as START's handwritten data qualifications where warranted.

2.0 ORGANIC DATA VALIDATION RESULTS

The results of START's organic data validation are summarized below by QC audit reviewed. The data qualifiers listed below were applied to sample analytical results where warranted (see attachment):

- J – The analyte was detected. The reported concentration was considered estimated.
- U – The analyte was not detected.
- UJ – The analyte was not detected. The reporting limit was considered estimated.

After the START project staff received the data packages, they were inventoried for completeness and then reviewed according to matrix-specific protocols and data quality objectives established for the project.

2.1 SOIL SAMPLES BY METHOD 8260B

2.1.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were collected on August 19, 2011 and were received on ice by the laboratory. No discrepancies were noted.

2.1.2 SAMPLE PRESERVATION AND HOLDING TIME

VOC samples were analyzed within holding time criteria. No discrepancies were noted.

2.1.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. Laboratory method blank samples (MB 082511BLK22, 082511MBLK62, and 082611BLK22) were run with this SDG.

Acetone was detected at 76.7 ug/kg and Naphthalene was detected at 154 ug/kg in 082511MBLK62. Therefore, Acetone and Naphthalene were qualified as non-detect and flagged "U" in sample KD-SB-1 16ft-16.5ft, and Acetone was qualified as non-detect and flagged "U" in sample KD-SB-2 11ft-12ft due to blank contamination.

2.1.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds (System Monitoring Compounds). Surrogate spike compounds included Dibromofluoromethane, Toluene-d8, 4-Bromofluorobenzene, and 1,2-Dichloroethane.

No discrepancies were noted.

2.1.5 MS/MSD RECOVERY RESULTS

Data for MS/MSDs are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

No MS/MSD samples were requested for this SDG.

2.1.6 LCS/LCSD RECOVERY RESULTS

Data for the LCS/LCSD is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS/LCSD is fortified with the full list of VOCs and analyzed with each batch of samples. The LCS/LCSD accuracy performance is measured by Percent Recovery (%R).

The LCSD recovery for 082511LCS22D was biased low for Ethylbenzene at 77.5%. The LCS recovery for 082511LCS63 was biased high for Vinyl Acetate at 138.0%, while the LCSD relative percent difference (RPD) for Vinyl Acetate was high at 45.4%. The LCSD recovery for 082611LCS21D was biased high for Acetone at 203%. Therefore, Ethylbenzene in samples KD-SB-1 16ft-16.5ft, KD-SB-2 11ft-12ft, KD-SB-6 3ft-4ft, and KD-SB-9 3ft-4ft was qualified as estimated and flagged "J" due to low LCSD recovery. No other action was taken to qualify for the high recovery or RPD since Acetone and Vinyl Acetate were not detected in the sample results.

2.1.7 GENERAL LABORATORY OBSERVATIONS

The laboratory noted that samples KD-SB-1 16ft-16.5ft and KD-SB-2 11ft-12ft were diluted due to the abundance of target and non-target analytes. Therefore, elevated reporting limits are provided.

2.2 TCLP SAMPLES BY METHOD 1311/8260B

2.2.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were collected on August 19, 2011 and were received on ice by the laboratory. Sample KD-SB-1 16'-16.5' had the 8-ounce sample jar broken during transit, but since the jar was contained in its own plastic bag, OTIE instructed the laboratory to run the analyses required.

2.2.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were analyzed within holding time criteria. No discrepancies were noted.

2.2.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. A laboratory method blank sample (TCLPBLK862) was run with this SDG.

No laboratory method blank detects were noted.

2.2.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds (System Monitoring Compounds). Surrogate spike compounds included Dibromofluoromethane, Toluene-d8, 4-Bromofluorobenzene, and 1,2-Dichloroethane.

No discrepancies were noted.

2.2.5 MS/MSD RECOVERY RESULTS

Data for MS/MSDs are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

No MS/MSD samples were requested for this SDG.

2.2.6 LCS RECOVERY RESULTS

Data for the LCS is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS is fortified with the full list of VOCs and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

LCS/LCSD recoveries and RPDs were within limits.

2.3 SOIL SAMPLES BY METHOD 8270C

2.3.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were collected on August 19, 2011 and were received on ice. Sample KD-SB-1 16'-16.5' had the 8-ounce sample jar broken during transit, but since the jar was contained in its own plastic bag, OTIE instructed the laboratory to run the analyses required.

2.3.2 SAMPLE PRESERVATION AND HOLDING TIME

SVOC samples were analyzed within holding time criteria. No discrepancies were noted.

2.3.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. One laboratory method blank sample (97268MB) was run with this SDG.

No laboratory method blank detects were noted.

2.3.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds. Surrogate spike compounds included 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol, and Terphenyl-d14.

No discrepancies were noted.

2.3.5 MS/MSD RECOVERY RESULTS

Data for MS/MSD are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

No MS/MSD samples were requested for this SDG.

2.3.6 LCS RECOVERY RESULTS

Data for the LCS is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS were fortified with the full list of SVOCs and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

The LCS recovery for N-Nitrosodimethylamine was biased low at 73.4% for 97269LCS. Therefore, N-Nitrosodimethylamine was qualified as estimated and flagged "J" in samples KD-SB-1 16ft-16.5ft, KD-SB-2 11ft-12ft, KD-SB-6 3ft-4ft, and KD-SB-9 3ft-4ft.

2.3.7 GENERAL LABORATORY OBSERVATIONS

The laboratory noted that samples KD-SB-1 16ft-16.5ft, KD-SB-2 11ft-12ft, KD-SB-6 3ft-4ft, and KD-SB-9 3ft-4ft were diluted due to matrix interferences. Therefore, elevated reporting limits are provided.

2.4 TCLP SAMPLES BY METHOD 1311/8270C

2.4.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were collected on August 19, 2011 and were received on ice. Sample KD-SB-1 16'-16.5' had the 8-ounce sample jar broken during transit, but since the jar was contained in its own plastic bag, OTIE instructed the laboratory to run the analyses required.

2.4.2 SAMPLE PRESERVATION AND HOLDING TIME

The original SVOC samples were analyzed within holding time criteria. However, sample KD-SB-2 11ft-12ftRE1 was prepped outside of holding time. Therefore, sample results for KD-SB-2 11ft-12ftRE1 are qualified as estimated and flagged "J". The original sample, KD-SB-2 11ft-12ft, was extracted within holding time, but due to surrogate failures, the sample was re-extracted.

2.4.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. Laboratory method blank samples (97416MB and 98470MB) were run with this SDG.

No laboratory method blank detects were noted.

2.4.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds. Surrogate spike compounds included 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol, and Terphenyl-d14.

Sample KD-SB-2 11ft-12ft had biased low recoveries for 2,4,6-Tribromophenol (4.2%), 2-Fluorobiphenyl (31%), 2-Fluorophenol (2.2%), Nitrobenzene-d5 (28%), and Phenol-d5 (2.5%). Therefore, the sample was re-extracted due to low surrogates. Sample results from KD-SB-2 11ft-12ft are rejected due to low surrogate recoveries. Only results from sample KD-SB-2 11ft-12ftRE1 will be used.

2.4.5 MS/MSD RECOVERY RESULTS

Data for MS/MSD are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

No MS/MSD samples were requested for this SDG.

2.4.6 LCS RECOVERY RESULTS

Data for the LCS is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS were fortified with the full list of SVOCs and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

LCS recoveries were within limits.

2.5 SOIL SAMPLES BY METHOD 8082

2.5.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were collected on August 19, 2011 and were received on ice. Sample KD-SB-1 16’-16.5’ had the 8-ounce sample jar broken during transit, but since the jar was contained in its own plastic bag, OTIE instructed the laboratory to run the analyses required.

2.5.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were shipped on ice and were analyzed within holding time criteria. No discrepancies were noted.

2.5.3 BLANK RESULTS

The purpose of laboratory blank analysis is to determine the existence and magnitude of contamination resulting from laboratory activities. A laboratory method blank sample (97264MB) was run with this SDG.

No laboratory method blank detects were noted.

2.5.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds. The surrogate spike compound included Decachlorobiphenyl.

The surrogate was within limits for samples analyzed in this SDG.

2.5.5 MS/MSD RECOVERY RESULTS

Data for MS/MSD are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

No MS/MSD samples were requested for this analysis.

2.5.6 LCS RECOVERY RESULTS

Data for the LCS is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS was fortified and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

The %R for Aroclor-1016 in 97265LCS was biased high at 124%. However, sample results for Aroclor-1016 were non-detect in all samples analyzed. Therefore, no action was taken to qualify for this deficiency.

2.5.7 GENERAL LABORATORY OBSERVATIONS

The laboratory noted that samples KD-SB-6 3ft-4ft and KD-SB-9 3ft-4ft were diluted due to high concentrations of target analytes. Therefore, elevated reporting limits are provided.

2.6 WATER SAMPLES BY METHOD 8260B

2.6.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Water samples were collected on August 19, 2011 and were received on ice by the laboratory. No discrepancies were noted.

2.6.2 SAMPLE PRESERVATION AND HOLDING TIME

VOC samples were analyzed within holding time criteria. No discrepancies were noted.

2.6.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. Laboratory method blank samples (083011BLKA32 and 090211BLK62) were run with this SDG. One trip blank sample was also submitted with this SDG.

Acetone was detected at 2.1 ug/L, and 1,4-Dichlorobenzene was detected at 0.16 ug/L in 090211BLK62. Therefore, Acetone was qualified as non-detect and flagged “U” in sample KD-IDW-WATER-01.

2.6.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds (System Monitoring Compounds). Surrogate spike compounds included Dibromofluoromethane, Toluene-d8, 4-Bromofluorobenzene, and 1,2-Dichloroethane.

No discrepancies were noted.

2.6.5 MS/MSD RECOVERY RESULTS

Data for MS/MSDs are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

No MS/MSD samples were requested for this SDG.

2.6.6 LCS RECOVERY RESULTS

Data for the LCS is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS is fortified with the full list of VOCs and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

The LCS recoveries for 083011LCSA31 were biased high for Bromobenzene (122%), 1,1,2,2-Tetrachloroethane (136%), 1,2-Dibromo-3-chloropropane (129%), and 1,2,4-Trichlorobenzene (124%). LCSD recoveries for 083011LCSDA31 were biased high for Bromobenzene (122%), 1,1,2,2-Tetrachloroethane (138%), 4-Chlorotoluene (124%), 1,2-Dibromo-3-chloropropane (126%), 1,2,4-Trichlorobenzene (125%), Hexachlorobutadiene (128%), and 1,2,3-Trichlorobenzene (129%). LCSD RPDs for 083011LCSA31D were biased high for Acetone (43.1%), 2-Butanone (26.7%), and 2-Hexanone (20.6%). Since sample KD-IDW-WATER-01 was non-detect for all VOCs analyzed, no action was taken to qualify for the high LCS/LCSD recoveries/RPDs.

2.7 WATER SAMPLES BY METHOD 8270C

2.7.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Water samples were collected on August 19, 2011 and were received on ice. No discrepancies were noted.

2.7.2 SAMPLE PRESERVATION AND HOLDING TIME

SVOC samples were analyzed within holding time criteria. No discrepancies were noted.

2.7.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. One laboratory method blank sample (97053MB) was run with this SDG.

Di-n-butylphthalate was detected at 1.5 ug/L, and Bis(2-ethylhexyl)phthalate was detected at 19.4 ug/L. Di-n-butylphthalate was qualified as non-detect and flagged “U” in sample KD-IDW-WATER-01 due to blank contamination.

2.7.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds. Surrogate spike compounds included 2-Fluorophenol, Phenol-d5, Nitrobenzene-d5, 2-Fluorobiphenyl, 2,4,6-Tribromophenol, and Terphenyl-d14.

No discrepancies were noted.

2.7.5 MS/MSD RECOVERY RESULTS

Data for MS/MSD are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

No MS/MSD samples were requested for this SDG.

2.7.6 LCS RECOVERY RESULTS

Data for the LCS is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS were fortified with the full list of SVOCs and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

The LCS recovery for 2,4-Dinitrophenol was biased low at 49.2% for 97054LCS. Therefore, 2,4-Dinitrophenol was qualified as estimated and flagged "J" in sample KD-IDW-WATER-01 due to low LCS recovery.

2.8 WATER SAMPLES BY METHOD 8082

2.8.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Water samples were collected on August 19, 2011 and were received on ice. No discrepancies were noted.

2.8.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were shipped on ice. Samples were analyzed within holding time criteria. No discrepancies were noted.

2.8.3 BLANK RESULTS

The purpose of laboratory (or field) blank analysis is to determine the existence and magnitude of contamination resulting from laboratory (or field) activities. One laboratory method blank sample (97050MB) was run with this SDG.

No laboratory method blank detects were noted.

2.8.4 SURROGATE RECOVERIES

Laboratory performance on individual samples is established by means of fortifying each sample with surrogate compounds. The surrogate spike compound included Decachlorobiphenyl.

No discrepancies were noted.

2.8.5 MS/MSD RECOVERY RESULTS

Data for MS/MSD are generated to determine long-term precision and accuracy of the analytical method on various matrices and to demonstrate acceptable compound recovery by the laboratory at the time of sample analysis.

An MS/MSD was not requested for this SDG.

2.8.6 LCS and LCSD RECOVERY RESULTS

Data for the LCS and LCSD is generated to provide information on the accuracy of the analytical method and on the laboratory performance. The LCS and LCSD are fortified and analyzed with each batch of samples. The LCS and LCSD accuracy performance is measured by %R.

The RPD in 97052LCSD for Aroclor-1016 was biased high at 21.1%. However, the LCS and LCSD recoveries were within limits for Aroclor-1016. Therefore, no action was taken to qualify for this deficiency.

3.0 INORGANIC DATA VALIDATION RESULTS

The results of START's inorganic data validation are summarized below by QC audit reviewed. The data qualifiers listed below were applied to sample analytical results where warranted:

- J – The analyte was detected. The reported concentration was considered estimated.
- U – The analyte was not detected.
- UJ – The analyte was not detected. The reporting limit was considered estimated.

After the START project staff received the data packages, they were inventoried for completeness and then reviewed according to matrix-specific protocols and data quality objectives established for the project.

3.1 SOIL SAMPLES BY METHOD 6010 B/7471

3.1.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Soil samples were collected on August 19, 2011 and were received on ice. Sample KD-SB-1 16'-16.5' had the 8-ounce sample jar broken during transit, but since the jar was contained in its own plastic bag, OTIE instructed the laboratory to run the analyses required.

3.1.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were analyzed within the holding time criteria. No discrepancies were noted.

3.1.3 BLANK RESULTS

The assessment of blank analysis results is to determine the existence and magnitude of contamination resulting from laboratory and/or field activities. A laboratory method blank sample for method 6010 and laboratory method blank sample for method 7471 were run with this SDG.

No laboratory method blank detects were noted.

3.1.4 LCS RECOVERY RESULTS

The LCS serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. The LCS is fortified with each analyte of interest and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

The LCS/LCSD %R were within acceptable recovery limits.

3.1.5 MS/MSD RECOVERY RESULTS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The MS/MSD accuracy performance is measured by %R.

An MS/MSD was requested on sample KD-SB-3 10ft-12ft. Chromium had biased low MS %R at 66.5%. Arsenic and Mercury had biased high MS %R at 138.2% and 207.8%, respectively. Mercury also had a biased high MSD %R at 192.8%. Arsenic had a high RPD of 28.4%. Therefore, Arsenic, Chromium, and Mercury in sample KD-SB-3 10ft-12ft were qualified as estimated and flagged "J" due to MS/MSD recoveries.

3.1.6 GENERAL LABORATORY OBSERVATIONS

The laboratory noted that samples KD-DRUM-1, KD-DRUM-2, KD-1 SB-1 16ft-16.5ft, KD-SB-2 11ft-12ft, KD-SB-2 6ft-8ft, KD-SB-3 10ft-12ft, and KD-SS-01 had to be diluted due to high concentrations of various metals.

3.2 TCLP SAMPLES BY METHOD 1311/6010 B/7470

3.2.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Samples were collected on August 19, 2011 and were received on ice. No discrepancies were noted.

3.2.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were analyzed within the holding time criteria. No discrepancies were noted.

3.2.3 BLANK RESULTS

The assessment of blank analysis results is to determine the existence and magnitude of contamination resulting from laboratory and/or field activities. A laboratory method blank sample for method 6010 TCLP and a laboratory method blank sample for method 7470 TCLP were run with this SDG.

No laboratory method blank detects were noted.

3.2.4 LCS RECOVERY RESULTS

The LCS serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. The LCS is fortified with each analyte of interest and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

The LCS/LCSD were all within acceptable recovery limits.

3.2.5 MS/MSD RECOVERY RESULTS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The MS/MSD accuracy performance is measured by %R.

No MS/MSD was requested for these analyses for this SDG.

3.3 WATER SAMPLES BY METHOD 6010 B/7470

3.3.1 SAMPLE HANDLING

Chain of custody documentation and sample receipt forms were reviewed to ensure requested analyses were performed and that samples arrived at the laboratory intact. Water samples were collected on August 19, 2011 and were received on ice. No discrepancies were noted.

3.3.2 SAMPLE PRESERVATION AND HOLDING TIME

Samples were analyzed within the holding time criteria. No discrepancies were noted.

3.3.3 BLANK RESULTS

The assessment of blank analysis results is to determine the existence and magnitude of contamination resulting from laboratory and/or field activities. A laboratory method blank sample for method 6010 and laboratory method blank sample for method 7470 were run with this SDG.

No laboratory method blank detects were noted.

3.3.4 LCS RECOVERY RESULTS

The LCS serves as a monitor of the overall performance of each step during the analysis, including the sample preparation. The LCS is fortified with each analyte of interest and analyzed with each batch of samples. The LCS accuracy performance is measured by %R.

The LCS/LCSD %R were all within acceptable recovery limits.

3.3.5 MS/MSD RECOVERY RESULTS

The spiked sample analysis is designed to provide information about the effect of each sample matrix on the sample preparation procedures and the measurement methodology. The MS/MSD accuracy performance is measured by %R.

No MS/MSD was requested for these analyses for this SDG.

4.0 OVERALL ASSESSMENT OF DATA

The analytical results meet the data quality objectives defined by the applicable method and validation guidance documentation. The analytical data is usable and acceptable as reported by the laboratory.

ATTACHMENT

SUMMARY OF VALIDATED ANALYTICAL RESULTS

AND

CHAIN-OF-CUSTODY

PEL
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

3503862

Page ____ of ____

Special Handling:
TAT- Indicate Date Needed: ______
- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Naven Babu (OTIE)
100 W Monroe #300
Chicago, IL 60607
312-656-7685
NBABU@OTIE.COM
Project Mgr.: Naven Babu

Invoice To: OTIE
P.O. No.: ______ RQN: ______

Project No.: 2010101 / 1012
Site Name: Kokomo Dump
Location: Kokomo, IN State: ______
Sampler(s): Naven Babu / IDEM

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9=____ 10=____ 11=____

List preservative code below:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1= Paint X2= slag X3= ______

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	# of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	~~Total VOCs~~	~~TCLP VOCs~~	Total Metals	TCLP Metals	Total SVOCs	TCLP SVOCs	PCBs
-01	KD-SB-1 16'-16.5'	8/19/11	1045		SO	3		~~1~~ 2		X	X	(X)	X	(X)	X	(X)
-02	KD-SB-2 11'-12'	8/19/11	1145		SO	3		2		X	X	X	X	X	X	X
-03	KD-DRUM-1	↓	1130		X1			1				X	X			
-04	KD-DRUM-2	↓	1135		X2			1				X	X			
-05	KD-SS-01	↓	1140		SO			1				X	X			
-06	KD-SB-2 6'-8'	↓	1330		SO			1				X	X			
-07	KD-SB-3 10'-12'	↓	1430		SO			1				X	X			
-08-09	KD-SB-3 10'-12' MS/MSD	↓	1430		SO			1				X				
-10	KD-SB-6 3'-4'	↓	1600		SO	3		2		X	X	X	X	X	X	X
-11	KD-SB-9 3'-4'	↓	1600		SO	3		2		X	X	X	X	X	X	X

8-23-11

Notes:
one 8oz jar broken in transit
Run total TCLP per NB ML 8/23/11

QA/QC Reporting Level
☐ Level I ☒ Level II
☐ Level III ☐ Level IV
☐ Other ______
State specific reporting standards: ______

☐ E-mail to NBABU@OTIE.COM
EDD Format p/w vials received pH<2 6010,8260
NORMAL TAT

Relinquished by:	Received by:	Date:	Time:
Naven Babu 8/19/11 1900	[signature]	8-23-11	900

Condition upon receipt: ☐ Iced ☐ Ambient ☒ °C -18, 3.5, 5.6

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PEL
A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

3503862

Page _____ of _____ 2

Special Handling:
TAT- Indicate Date Needed: _____
· All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
· Samples disposed of after 60 days unless otherwise instructed.

Report To: Naren Babu
100 W Monroe #300
Chicago, IL 60607
312-656-7685
NBABU@OTIE.COM
Project Mgr.: Naren Babu

Invoice To: OTIE

P.O. No.: _____ RQN: _____

Project No.: 20101011012
Site Name: KOKOMO DUMP
Location: KOKOMO State: IN
Sampler(s): Naren Babu / IDEM

1=Na_2S2O_3 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9=_____ 10=_____ 11= _____

List preservative code below:

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: Total Metals	TCLP Metals	Total VOCs	TCLP VOCs	Total SVOCs	TCLP SVOCs	PCBs	
-12	KD-SB-7 4'-6'	8/19/11	16:40		SO			1		X	X						
-13	KD-DISP-SOIL-01	8/19/11	17:00		SO			2			X		X		X	X	
-14	KD-IDW-WATER01	8/19/11	17:05		WW	3	3		1	X		X		X		X	
-15	TRIP-1				W	3						X					Analyze per N-B/GW L 8/23/11

QA/QC Reporting Level
☐ Level I ☒ Level II
☐ Level III ☐ Level IV
☐ Other _____

State specific reporting standards:
_____

☐ E-mail to NBABU@OTIE.COM
EDD Format _____
NORMAL TAT

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

Relinquished by:	Received by:	Date:	Time:
Naren Babu 8/19/11 1900	NR	8-23-11	900

PEL

A DIVISION OF SPECTRUM ANALYTICAL, INC. Featuring HANIBAL TECHNOLOGY

CHAIN OF CUSTODY RECORD

3503862

Page _____ of _____

Special Handling:

TAT- Indicate Date Needed: _____

- All TATs subject to laboratory approval. Min. 24-hour notification needed for rushes.
- Samples disposed of after 60 days unless otherwise instructed.

Report To: Naren Babu (OTIE)
100 W Monroe #300
Chicago, IL 60607
312-656-7685

Project Mgr.: _____

Invoice To: OTIE

P.O. No.: _____ RQN: _____

Project No.: 201001 / 1012

Site Name: Kokomo Dump

Location: Kokomo, IN State: _____

Sampler(s): Naren Babu / IDEM

1=$Na_2S_2O_3$ 2=HCl 3=H_2SO_4 4=HNO_3 5=NaOH 6=Ascorbic Acid 7=CH_3OH
8= $NaHSO_4$ 9=_____ 10=_____ 11= _____

List preservative code below:

Notes:

DW=Drinking Water GW=Groundwater WW=Wastewater
O=Oil SW= Surface Water SO=Soil SL=Sludge A=Air
X1=_____ X2=_____ X3=_____

G=Grab C=Composite

Lab Id:	Sample Id:	Date:	Time:	Type	Matrix	Containers: # of VOA Vials	# of Amber Glass	# of Clear Glass	# of Plastic	Analyses: (Total VOCs)	QA/QC Reporting Level
-01	KD-SB-1 16'-16.5'	8/19/11	1045		SO	3				X	☐ Level I ☒ Level II ☐ Level III ☐ Level IV ☐ Other _____
-02	KD-SB-2 11'-12'	↓	1145		SO	3				X	State specific reporting standards:
-10	KD-SB-6 3'-4'		1600		SO	3				X	
-11	KD-SB-9 3'-4'	↓	1600		SO	3				X	
	[redacted]										

☐ E-mail to NBABU@OTIE.COM

EDD Format _____

NORMAL TAT

Relinquished by:	Received by:	Date:	Time:
NBabu	MK	8-23-11	900
8/22/11 1800			

Condition upon receipt: ☐ Iced ☐ Ambient ☐ °C _____

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201M.D

Sample wt/vol: 8.74 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0037

PercentSolids: 95.2 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	60.1	U	18	60.1
74-87-3	Chloromethane	60.1	U	11.4	60.1
75-01-4	Vinyl chloride	60.1	U	18	60.1
74-83-9	Bromomethane	60.1	U	36	60.1
75-00-3	Chloroethane	60.1	U	22.2	60.1
75-69-4	Trichlorofluoromethane	60.1	U	13.2	60.1
75-35-4	1,1-Dichloroethene	60.1	U	10.2	60.1
74-88-4	Methyl iodide	60.1	U	45.1	60.1
75-15-0	Carbon disulfide	60.1	U	45.1	60.1
75-09-2	Methylene chloride	150	U	36	150
156-60-5	trans-1,2-Dichloroethene	60.1	U	11.7	60.1
75-34-3	1,1-Dichloroethane	60.1	U	10.2	60.1
67-64-1	Acetone	86	JB U	39.1	300
594-20-7	2,2-Dichloropropane	60.1	U	17.7	60.1
156-59-2	cis-1,2-Dichloroethene	60.1	U	18.6	60.1
74-97-5	Bromochloromethane	60.1	U	27	60.1
78-93-3	2-Butanone	300	U	42.1	300
67-66-3	Chloroform	60.1	U	16.2	60.1
71-55-6	1,1,1-Trichloroethane	60.1	U	30	60.1
56-23-5	Carbon tetrachloride	60.1	U	18	60.1
563-58-6	1,1-Dichloropropene	60.1	U	12.3	60.1
71-43-2	Benzene	60.1	U	15	60.1
107-06-2	1,2-Dichloroethane	60.1	U	30	60.1
79-01-6	Trichloroethene	60.1	U	13.2	60.1
108-05-4	Vinyl acetate	60.1	U	45.1	60.1
78-87-5	1,2-Dichloropropane	60.1	U	18.9	60.1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201M.D

Sample wt/vol: 8.74 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0037

PercentSolids: 95.2 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
74-95-3	Dibromomethane	60.1	U	19.8	60.1
75-27-4	Bromodichloromethane	60.1	U	9.6	60.1
10061-01-5	cis-1,3-Dichloropropene	60.1	U	12.6	60.1
108-10-1	4-Methyl-2-pentanone	300	U	48.1	300
108-88-3	Toluene	60.1	U	8.7	60.1
10061-02-6	trans-1,3-Dichloropropene	60.1	U	30	60.1
79-00-5	1,1,2-Trichloroethane	60.1	U	24.6	60.1
127-18-4	Tetrachloroethene	60.1	U	27.9	60.1
142-28-9	1,3-Dichloropropane	60.1	U	16.2	60.1
591-78-6	2-Hexanone	300	U	39.1	300
124-48-1	Dibromochloromethane	60.1	U	13.8	60.1
106-93-4	1,2-Dibromoethane	60.1	U	24.6	60.1
108-90-7	Chlorobenzene	60.1	U	10.5	60.1
630-20-6	1,1,1,2-Tetrachloroethane	60.1	U	22.2	60.1
100-41-4	Ethylbenzene	60.1	U J	20.7	60.1
179601-23-1	m,p-Xylene	120	U	20.4	120
95-47-6	o-Xylene	32.5	J	10.5	60.1
100-42-5	Styrene	60.1	U	8.4	60.1
75-25-2	Bromoform	60.1	U	13.8	60.1
98-82-8	Isopropylbenzene	92.3		18	60.1
108-86-1	Bromobenzene	60.1	U	33	60.1
79-34-5	1,1,2,2-Tetrachloroethane	60.1	U	17.7	60.1
96-18-4	1,2,3-Trichloropropane	60.1	U	36	60.1
103-65-1	n-Propylbenzene	151		20.4	60.1
95-49-8	2-Chlorotoluene	60.1	U	14.4	60.1
106-43-4	4-Chlorotoluene	60.1	U	15.6	60.1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201M.D

Sample wt/vol: 8.74 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0037

PercentSolids: 95.2 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-67-8	1,3,5-Trimethylbenzene	94.5		15.6	60.1
98-06-6	tert-Butylbenzene	60.1	U	20.4	60.1
95-63-6	1,2,4-Trimethylbenzene	630		13.2	60.1
135-98-8	sec-Butylbenzene	351		19.2	60.1
541-73-1	1,3-Dichlorobenzene	150	U	13.5	150
106-46-7	1,4-Dichlorobenzene	22.8	J	19.5	150
99-87-6	4-Isopropyltoluene	60.1	U	21.3	60.1
104-51-8	n-Butylbenzene	60.1	U	18.6	60.1
95-50-1	1,2-Dichlorobenzene	675		16.8	150
96-12-8	1,2-Dibromo-3-chloropropane	150	U	84.1	150
120-82-1	1,2,4-Trichlorobenzene	150	U	18.9	150
87-68-3	Hexachlorobutadiene	60.1	U	36	60.1
91-20-3	Naphthalene	187	~~B~~ U	45.1	150
87-61-6	1,2,3-Trichlorobenzene	150	U	18.3	150
1634-04-4	Methyl tert-butyl ether	60.1	U	12.9	60.1

KSM

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202M.D

Sample wt/vol: 9.2 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0102

PercentSolids: 74.4 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	73	U	21.9	73
74-87-3	Chloromethane	73	U	13.9	73
75-01-4	Vinyl chloride	73	U	21.9	73
74-83-9	Bromomethane	73	U	43.8	73
75-00-3	Chloroethane	73	U	27	73
75-69-4	Trichlorofluoromethane	73	U	16.1	73
75-35-4	1,1-Dichloroethene	73	U	12.4	73
74-88-4	Methyl iodide	73	U	54.8	73
75-15-0	Carbon disulfide	73	U	54.8	73
75-09-2	Methylene chloride	183	U	43.8	183
156-60-5	trans-1,2-Dichloroethene	358		14.2	73
75-34-3	1,1-Dichloroethane	73	U	12.4	73
67-64-1	Acetone	178	JB U	47.5	365
594-20-7	2,2-Dichloropropane	73	U	21.5	73
156-59-2	cis-1,2-Dichloroethene	1120		22.6	73
74-97-5	Bromochloromethane	73	U	32.9	73
78-93-3	2-Butanone	365	U	51.1	365
67-66-3	Chloroform	73	U	19.7	73
71-55-6	1,1,1-Trichloroethane	73	U	36.5	73
56-23-5	Carbon tetrachloride	73	U	21.9	73
563-58-6	1,1-Dichloropropene	73	U	15	73
71-43-2	Benzene	27.1	J	18.3	73
107-06-2	1,2-Dichloroethane	73	U	36.5	73
79-01-6	Trichloroethene	950		16.1	73
108-05-4	Vinyl acetate	73	U	54.8	73
78-87-5	1,2-Dichloropropane	73	U	23	73

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202M.D

Sample wt/vol: 9.2 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0102

PercentSolids: 74.4 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
74-95-3	Dibromomethane	73	U	24.1	73
75-27-4	Bromodichloromethane	73	U	11.7	73
10061-01-5	cis-1,3-Dichloropropene	73	U	15.3	73
108-10-1	4-Methyl-2-pentanone	365	U	58.4	365
108-88-3	Toluene	268		10.6	73
10061-02-6	trans-1,3-Dichloropropene	73	U	36.5	73
79-00-5	1,1,2-Trichloroethane	73	U	29.9	73
127-18-4	Tetrachloroethene	430		34	73
142-28-9	1,3-Dichloropropane	73	U	19.7	73
591-78-6	2-Hexanone	365	U	47.5	365
124-48-1	Dibromochloromethane	73	U	16.8	73
106-93-4	1,2-Dibromoethane	73	U	29.9	73
108-90-7	Chlorobenzene	83.1		12.8	73
630-20-6	1,1,1,2-Tetrachloroethane	73	U	27	73
100-41-4	Ethylbenzene	172	J	25.2	73
179601-23-1	m,p-Xylene	235		24.8	146
95-47-6	o-Xylene	267		12.8	73
100-42-5	Styrene	73	U	10.2	73
75-25-2	Bromoform	73	U	16.8	73
98-82-8	Isopropylbenzene	658		21.9	73
108-86-1	Bromobenzene	73	U	40.2	73
79-34-5	1,1,2,2-Tetrachloroethane	73	U	21.5	73
96-18-4	1,2,3-Trichloropropane	73	U	43.8	73
103-65-1	n-Propylbenzene	1110		24.8	73
95-49-8	2-Chlorotoluene	73	U	17.5	73
106-43-4	4-Chlorotoluene	73	U	19	73

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202M.D

Sample wt/vol: 9.2 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0102

PercentSolids: 74.4 decanted : Dilution Factor: 50

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-67-8	1,3,5-Trimethylbenzene	902		19	73
98-06-6	tert-Butylbenzene	147		24.8	73
95-63-6	1,2,4-Trimethylbenzene	12800	~~E~~ R	16.1	73
135-98-8	sec-Butylbenzene	2310		23.4	73
541-73-1	1,3-Dichlorobenzene	183	U	16.4	183
106-46-7	1,4-Dichlorobenzene	183	U	23.7	183
99-87-6	4-Isopropyltoluene	433		25.9	73
104-51-8	n-Butylbenzene	3290	~~E~~ R	22.6	73
95-50-1	1,2-Dichlorobenzene	183	U	20.4	183
96-12-8	1,2-Dibromo-3-chloropropane	183	U	102	183
120-82-1	1,2,4-Trichlorobenzene	183	U	23	183
87-68-3	Hexachlorobutadiene	73	U	43.8	73
91-20-3	Naphthalene	1400	~~B~~	54.8	183
87-61-6	1,2,3-Trichlorobenzene	183	U	22.3	183
1634-04-4	Methyl tert-butyl ether	73	U	15.7	73

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202DL1 Lab File ID 86202MD.D

Sample wt/vol: 9.2 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0127

PercentSolids: 74.4 decanted : Dilution Factor: 500

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*		*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	730	U	R	219	730
74-87-3	Chloromethane	730	U		139	730
75-01-4	Vinyl chloride	730	U		219	730
74-83-9	Bromomethane	730	U		438	730
75-00-3	Chloroethane	730	U		270	730
75-69-4	Trichlorofluoromethane	730	U		161	730
75-35-4	1,1-Dichloroethene	730	U		124	730
74-88-4	Methyl iodide	730	U		548	730
75-15-0	Carbon disulfide	730	U		548	730
75-09-2	Methylene chloride	1830	U		438	1830
156-60-5	trans-1,2-Dichloroethene	366	J		142	730
75-34-3	1,1-Dichloroethane	730	U		124	730
67-64-1	Acetone	754	JB		475	3650
594-20-7	2,2-Dichloropropane	730	U		215	730
156-59-2	cis-1,2-Dichloroethene	1140			226	730
74-97-5	Bromochloromethane	730	U		329	730
78-93-3	2-Butanone	3650	U		511	3650
67-66-3	Chloroform	730	U		197	730
71-55-6	1,1,1-Trichloroethane	730	U		365	730
56-23-5	Carbon tetrachloride	730	U		219	730
563-58-6	1,1-Dichloropropene	730	U		150	730
71-43-2	Benzene	730	U		183	730
107-06-2	1,2-Dichloroethane	730	U		365	730
79-01-6	Trichloroethene	957			161	730
108-05-4	Vinyl acetate	730	U		548	730
78-87-5	1,2-Dichloropropane	730	U	✓	230	730

VOSM

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202DL1 Lab File ID 86202MD.D

Sample wt/vol: 9.2 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0127

PercentSolids: 74.4 decanted : Dilution Factor: 500

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
74-95-3	Dibromomethane	730	U R	241	730
75-27-4	Bromodichloromethane	730	U	117	730
10061-01-5	cis-1,3-Dichloropropene	730	U	153	730
108-10-1	4-Methyl-2-pentanone	3650	U	584	3650
108-88-3	Toluene	254	J	106	730
10061-02-6	trans-1,3-Dichloropropene	730	U	365	730
79-00-5	1,1,2-Trichloroethane	730	U	299	730
127-18-4	Tetrachloroethene	480	J	340	730
142-28-9	1,3-Dichloropropane	730	U	197	730
591-78-6	2-Hexanone	3650	U	475	3650
124-48-1	Dibromochloromethane	730	U	168	730
106-93-4	1,2-Dibromoethane	730	U	299	730
108-90-7	Chlorobenzene	730	U	128	730
630-20-6	1,1,1,2-Tetrachloroethane	730	U	270	730
100-41-4	Ethylbenzene	730	U	252	730
179601-23-1	m,p-Xylene	1460	U	248	1460
95-47-6	o-Xylene	257	J	128	730
100-42-5	Styrene	730	U	102	730
75-25-2	Bromoform	730	U	168	730
98-82-8	Isopropylbenzene	749		219	730
108-86-1	Bromobenzene	730	U	402	730
79-34-5	1,1,2,2-Tetrachloroethane	730	U	215	730
96-18-4	1,2,3-Trichloropropane	730	U	438	730
103-65-1	n-Propylbenzene	1260		248	730
95-49-8	2-Chlorotoluene	730	U	175	730
106-43-4	4-Chlorotoluene	730	U	190	730

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202DL1 Lab File ID 86202MD.D

Sample wt/vol: 9.2 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) HIGH Date Analyzed: 08/26/11 Time: 0127

PercentSolids: 74.4 decanted : Dilution Factor: 500

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-67-8	1,3,5-Trimethylbenzene	1040	R	190	730
98-06-6	tert-Butylbenzene	730	R	248	730
95-63-6	1,2,4-Trimethylbenzene	21800		161	730
135-98-8	sec-Butylbenzene	2680	R	234	730
541-73-1	1,3-Dichlorobenzene	1830	U	164	1830
106-46-7	1,4-Dichlorobenzene	1830	U	237	1830
99-87-6	4-Isopropyltoluene	524	R	259	730
104-51-8	n-Butylbenzene	3860		226	730
95-50-1	1,2-Dichlorobenzene	1830	R	204	1830
96-12-8	1,2-Dibromo-3-chloropropane	1830	U	1020	1830
120-82-1	1,2,4-Trichlorobenzene	1830	U	230	1830
87-68-3	Hexachlorobutadiene	730	U	438	730
91-20-3	Naphthalene	3270	B	548	1830
87-61-6	1,2,3-Trichlorobenzene	1830	U	223	1830
1634-04-4	Methyl tert-butyl ether	730	U	157	730

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 862-10.D

Sample wt/vol: 2.02 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/26/11 Time: 1344

PercentSolids: 75.2 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	6.6	U	2	6.6
74-87-3	Chloromethane	6.6	U	1.2	6.6
75-01-4	Vinyl chloride	6.6	U	2	6.6
74-83-9	Bromomethane	6.6	U	3.9	6.6
75-00-3	Chloroethane	6.6	U	2.4	6.6
75-69-4	Trichlorofluoromethane	6.6	U	1.4	6.6
75-35-4	1,1-Dichloroethene	6.6	U	1.1	6.6
74-88-4	Methyl iodide	6.6	U	4.9	6.6
75-15-0	Carbon disulfide	6.6	U	4.9	6.6
75-09-2	Methylene chloride	18		3.9	16.4
156-60-5	trans-1,2-Dichloroethene	6.6	U	1.3	6.6
75-34-3	1,1-Dichloroethane	6.6	U	1.1	6.6
67-64-1	Acetone	32.9	U	4.3	32.9
594-20-7	2,2-Dichloropropane	6.6	U	1.9	6.6
156-59-2	cis-1,2-Dichloroethene	6.6	U	2	6.6
74-97-5	Bromochloromethane	6.6	U	3	6.6
78-93-3	2-Butanone	32.9	U	4.6	32.9
67-66-3	Chloroform	6.6	U	1.8	6.6
71-55-6	1,1,1-Trichloroethane	6.6	U	3.3	6.6
56-23-5	Carbon tetrachloride	6.6	U	2	6.6
563-58-6	1,1-Dichloropropene	6.6	U	1.3	6.6
71-43-2	Benzene	6.6	U	1.6	6.6
107-06-2	1,2-Dichloroethane	6.6	U	3.3	6.6
79-01-6	Trichloroethene	6.6	U	1.4	6.6
108-05-4	Vinyl acetate	6.6	U	4.9	6.6
78-87-5	1,2-Dichloropropane	6.6	U	2.1	6.6

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 862-10.D

Sample wt/vol: 2.02 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/26/11 Time: 1344

PercentSolids: 75.2 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
74-95-3	Dibromomethane	6.6	U	2.2	6.6
75-27-4	Bromodichloromethane	6.6	U	1	6.6
10061-01-5	cis-1,3-Dichloropropene	6.6	U	1.4	6.6
108-10-1	4-Methyl-2-pentanone	32.9	U	5.3	32.9
108-88-3	Toluene	6.6	U	0.95	6.6
10061-02-6	trans-1,3-Dichloropropene	6.6	U	3.3	6.6
79-00-5	1,1,2-Trichloroethane	6.6	U	2.7	6.6
127-18-4	Tetrachloroethene	6.6	U	3.1	6.6
142-28-9	1,3-Dichloropropane	6.6	U	1.8	6.6
591-78-6	2-Hexanone	32.9	U	4.3	32.9
124-48-1	Dibromochloromethane	6.6	U	1.5	6.6
106-93-4	1,2-Dibromoethane	6.6	U	2.7	6.6
108-90-7	Chlorobenzene	6.6	U	1.2	6.6
630-20-6	1,1,1,2-Tetrachloroethane	6.6	U	2.4	6.6
100-41-4	Ethylbenzene	6.6	U J	2.3	6.6
179601-23-1	m,p-Xylene	13.2	U	2.2	13.2
95-47-6	o-Xylene	6.6	U	1.2	6.6
100-42-5	Styrene	6.6	U	0.92	6.6
75-25-2	Bromoform	6.6	U	1.5	6.6
98-82-8	Isopropylbenzene	6.6	U	2	6.6
108-86-1	Bromobenzene	6.6	U	3.6	6.6
79-34-5	1,1,2,2-Tetrachloroethane	6.6	U	1.9	6.6
96-18-4	1,2,3-Trichloropropane	6.6	U	3.9	6.6
103-65-1	n-Propylbenzene	6.6	U	2.2	6.6
95-49-8	2-Chlorotoluene	6.6	U	1.6	6.6
106-43-4	4-Chlorotoluene	6.6	U	1.7	6.6

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 862-10.D

Sample wt/vol: 2.02 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/26/11 Time: 1344

PercentSolids: 75.2 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-67-8	1,3,5-Trimethylbenzene	6.6	U	1.7	6.6
98-06-6	tert-Butylbenzene	6.6	U	2.2	6.6
95-63-6	1,2,4-Trimethylbenzene	6.6	U	1.4	6.6
135-98-8	sec-Butylbenzene	6.6	U	2.1	6.6
541-73-1	1,3-Dichlorobenzene	16.4	U	1.5	16.4
106-46-7	1,4-Dichlorobenzene	16.4	U	2.1	16.4
99-87-6	4-Isopropyltoluene	6.6	U	2.3	6.6
104-51-8	n-Butylbenzene	6.6	U	2	6.6
95-50-1	1,2-Dichlorobenzene	16.4	U	1.8	16.4
96-12-8	1,2-Dibromo-3-chloropropane	16.4	U	9.2	16.4
120-82-1	1,2,4-Trichlorobenzene	16.4	U	2.1	16.4
87-68-3	Hexachlorobutadiene	6.6	U	3.9	6.6
91-20-3	Naphthalene	16.4	U	4.9	16.4
87-61-6	1,2,3-Trichlorobenzene	16.4	U	2	16.4
1634-04-4	Methyl tert-butyl ether	6.6	U	1.4	6.6

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 862-11.D

Sample wt/vol: 2.63 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/25/11 Time: 1427

PercentSolids: 74.4 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	5.1	U	1.5	5.1
74-87-3	Chloromethane	5.1	U	0.97	5.1
75-01-4	Vinyl chloride	5.1	U	1.5	5.1
74-83-9	Bromomethane	5.1	U	3.1	5.1
75-00-3	Chloroethane	5.1	U	1.9	5.1
75-69-4	Trichlorofluoromethane	5.1	U	1.1	5.1
75-35-4	1,1-Dichloroethene	5.1	U	0.87	5.1
74-88-4	Methyl iodide	5.1	U	3.8	5.1
75-15-0	Carbon disulfide	5.1	U	3.8	5.1
75-09-2	Methylene chloride	38.5		3.1	12.8
156-60-5	trans-1,2-Dichloroethene	5.1	U	1	5.1
75-34-3	1,1-Dichloroethane	5.1	U	0.87	5.1
67-64-1	Acetone	25.6	U	3.3	25.6
594-20-7	2,2-Dichloropropane	5.1	U	1.5	5.1
156-59-2	cis-1,2-Dichloroethene	5.1	U	1.6	5.1
74-97-5	Bromochloromethane	5.1	U	2.3	5.1
78-93-3	2-Butanone	25.6	U	3.6	25.6
67-66-3	Chloroform	5.1	U	1.4	5.1
71-55-6	1,1,1-Trichloroethane	5.1	U	2.6	5.1
56-23-5	Carbon tetrachloride	5.1	U	1.5	5.1
563-58-6	1,1-Dichloropropene	5.1	U	1	5.1
71-43-2	Benzene	5.1	U	1.3	5.1
107-06-2	1,2-Dichloroethane	5.1	U	2.6	5.1
79-01-6	Trichloroethene	5.1	U	1.1	5.1
108-05-4	Vinyl acetate	5.1	U	3.8	5.1
78-87-5	1,2-Dichloropropane	5.1	U	1.6	5.1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 862-11.D

Sample wt/vol: 2.63 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/25/11 Time: 1427

PercentSolids: 74.4 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
74-95-3	Dibromomethane	5.1	U	1.7	5.1
75-27-4	Bromodichloromethane	5.1	U	0.82	5.1
10061-01-5	cis-1,3-Dichloropropene	5.1	U	1.1	5.1
108-10-1	4-Methyl-2-pentanone	25.6	U	4.1	25.6
108-88-3	Toluene	5.1	U	0.74	5.1
10061-02-6	trans-1,3-Dichloropropene	5.1	U	2.6	5.1
79-00-5	1,1,2-Trichloroethane	5.1	U	2.1	5.1
127-18-4	Tetrachloroethene	5.1	U	2.4	5.1
142-28-9	1,3-Dichloropropane	5.1	U	1.4	5.1
591-78-6	2-Hexanone	25.6	U	3.3	25.6
124-48-1	Dibromochloromethane	5.1	U	1.2	5.1
106-93-4	1,2-Dibromoethane	5.1	U	2.1	5.1
108-90-7	Chlorobenzene	5.1	U	0.89	5.1
630-20-6	1,1,1,2-Tetrachloroethane	5.1	U	1.9	5.1
100-41-4	Ethylbenzene	5.1	U J	1.8	5.1
179601-23-1	m,p-Xylene	10.2	U	1.7	10.2
95-47-6	o-Xylene	5.1	U	0.89	5.1
100-42-5	Styrene	5.1	U	0.72	5.1
75-25-2	Bromoform	5.1	U	1.2	5.1
98-82-8	Isopropylbenzene	5.1	U	1.5	5.1
108-86-1	Bromobenzene	5.1	U	2.8	5.1
79-34-5	1,1,2,2-Tetrachloroethane	5.1	U	1.5	5.1
96-18-4	1,2,3-Trichloropropane	5.1	U	3.1	5.1
103-65-1	n-Propylbenzene	5.1	U	1.7	5.1
95-49-8	2-Chlorotoluene	5.1	U	1.2	5.1
106-43-4	4-Chlorotoluene	5.1	U	1.3	5.1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 862-11.D

Sample wt/vol: 2.63 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/25/11 Time: 1427

PercentSolids: 74.4 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-67-8	1,3,5-Trimethylbenzene	5.1	U	1.3	5.1
98-06-6	tert-Butylbenzene	5.1	U	1.7	5.1
95-63-6	1,2,4-Trimethylbenzene	5.1	U	1.1	5.1
135-98-8	sec-Butylbenzene	5.1	U	1.6	5.1
541-73-1	1,3-Dichlorobenzene	12.8	U	1.1	12.8
106-46-7	1,4-Dichlorobenzene	12.8	U	1.7	12.8
99-87-6	4-Isopropyltoluene	5.1	U	1.8	5.1
104-51-8	n-Butylbenzene	5.1	U	1.6	5.1
95-50-1	1,2-Dichlorobenzene	12.8	U	1.4	12.8
96-12-8	1,2-Dibromo-3-chloropropane	12.8	U	7.2	12.8
120-82-1	1,2,4-Trichlorobenzene	12.8	U	1.6	12.8
87-68-3	Hexachlorobutadiene	5.1	U	3.1	5.1
91-20-3	Naphthalene	12.8	U	3.8	12.8
87-61-6	1,2,3-Trichlorobenzene	12.8	U	1.6	12.8
1634-04-4	Methyl tert-butyl ether	5.1	U	1.1	5.1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214 Lab File ID 86214R.D

Sample wt/vol: 5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1114

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	1	U	0.17	1
74-87-3	Chloromethane	1	U	0.32	1
75-01-4	Vinyl chloride	1	U	0.18	1
74-83-9	Bromomethane	1	U	0.43	1
75-00-3	Chloroethane	1	U	0.72	1
75-69-4	Trichlorofluoromethane	1	U	0.4	1
75-35-4	1,1-Dichloroethene	0.5	U	0.19	0.5
74-88-4	Methyl iodide	1	U	0.74	1
75-15-0	Carbon disulfide	1	U	0.19	1
75-09-2	Methylene chloride	5	U	0.66	5
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.33	0.5
75-34-3	1,1-Dichloroethane	1	U	0.15	1
67-64-1	Acetone	3.3	JB U	1.3	10
594-20-7	2,2-Dichloropropane	1	U	0.6	1
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.19	0.5
74-97-5	Bromochloromethane	1	U	0.17	1
78-93-3	2-Butanone	4	U	2	4
67-66-3	Chloroform	0.5	U	0.16	0.5
71-55-6	1,1,1-Trichloroethane	1	U	0.14	1
56-23-5	Carbon tetrachloride	0.5	U	0.14	0.5
563-58-6	1,1-Dichloropropene	1	U	0.3	1
71-43-2	Benzene	0.5	U	0.17	0.5
107-06-2	1,2-Dichloroethane	0.5	U	0.15	0.5
79-01-6	Trichloroethene	0.5	U	0.19	0.5
108-05-4	Vinyl acetate	1	U	0.18	1
78-87-5	1,2-Dichloropropane	1	U	0.15	1

KBM

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VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214 Lab File ID 86214R.D

Sample wt/vol: 5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1114

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
74-95-3	Dibromomethane	1	U	0.4	1
75-27-4	Bromodichloromethane	0.5	U	0.15	0.5
10061-01-5	cis-1,3-Dichloropropene	1	U	0.4	1
108-10-1	4-Methyl-2-pentanone	4	U	1	4
108-88-3	Toluene	1	U	0.14	1
10061-02-6	trans-1,3-Dichloropropene	1	U	0.3	1
79-00-5	1,1,2-Trichloroethane	1	U	0.2	1
127-18-4	Tetrachloroethene	0.5	U	0.21	0.5
142-28-9	1,3-Dichloropropane	0.4	U	0.3	0.4
591-78-6	2-Hexanone	4	U	0.48	4
124-48-1	Dibromochloromethane	0.2	U	0.13	0.2
106-93-4	1,2-Dibromoethane	1	U	0.11	1
108-90-7	Chlorobenzene	0.5	U	0.16	0.5
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U	0.14	0.5
100-41-4	Ethylbenzene	0.5	U	0.22	0.5
179601-23-1	m,p-Xylene	0.4	U	0.23	0.4
95-47-6	o-Xylene	0.5	U	0.5	0.5
100-42-5	Styrene	1	U	0.12	1
75-25-2	Bromoform	1	U	0.19	1
98-82-8	Isopropylbenzene	0.5	U	0.14	0.5
108-86-1	Bromobenzene	1	U	0.21	1
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.13	1
96-18-4	1,2,3-Trichloropropane	1	U	0.35	1
103-65-1	n-Propylbenzene	1	U	0.14	1
95-49-8	2-Chlorotoluene	1	U	0.25	1
106-43-4	4-Chlorotoluene	1	U	0.15	1

VOM

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214 Lab File ID 86214R.D

Sample wt/vol: 5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1114

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-67-8	1,3,5-Trimethylbenzene	1	U	0.14	1
98-06-6	tert-Butylbenzene	1	U	0.2	1
95-63-6	1,2,4-Trimethylbenzene	1	U	0.13	1
135-98-8	sec-Butylbenzene	1	U	0.1	1
541-73-1	1,3-Dichlorobenzene	2	U	0.15	2
106-46-7	1,4-Dichlorobenzene	3	U	0.15	3
99-87-6	4-Isopropyltoluene	1	U	0.14	1
104-51-8	n-Butylbenzene	1	U	0.16	1
95-50-1	1,2-Dichlorobenzene	1	U	0.25	1
96-12-8	1,2-Dibromo-3-chloropropane	2	U	1	2
120-82-1	1,2,4-Trichlorobenzene	1	U	0.4	1
87-68-3	Hexachlorobutadiene	0.5	U	0.36	0.5
91-20-3	Naphthalene	5	U	0.5	5
87-61-6	1,2,3-Trichlorobenzene	2	U	0.16	2
1634-04-4	Methyl tert-butyl ether	1	U	0.5	1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: TRIP-1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386215 Lab File ID 86215.D

Sample wt/vol: 5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/30/11 Time: 1822

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-71-8	Dichlorodifluoromethane	1	U	0.17	1
74-87-3	Chloromethane	1	U	0.32	1
75-01-4	Vinyl chloride	1	U	0.18	1
74-83-9	Bromomethane	1	U	0.43	1
75-00-3	Chloroethane	1	U	0.72	1
75-69-4	Trichlorofluoromethane	1	U	0.4	1
75-35-4	1,1-Dichloroethene	0.5	U	0.19	0.5
74-88-4	Methyl iodide	1	U	0.74	1
75-15-0	Carbon disulfide	1	U	0.19	1
75-09-2	Methylene chloride	5	U	0.66	5
156-60-5	trans-1,2-Dichloroethene	0.5	U	0.33	0.5
75-34-3	1,1-Dichloroethane	1	U	0.15	1
67-64-1	Acetone	10	U	1.3	10
594-20-7	2,2-Dichloropropane	1	U	0.6	1
156-59-2	cis-1,2-Dichloroethene	0.5	U	0.19	0.5
74-97-5	Bromochloromethane	1	U	0.17	1
78-93-3	2-Butanone	4	U	2	4
67-66-3	Chloroform	0.5	U	0.16	0.5
71-55-6	1,1,1-Trichloroethane	1	U	0.14	1
56-23-5	Carbon tetrachloride	0.5	U	0.14	0.5
563-58-6	1,1-Dichloropropene	1	U	0.3	1
71-43-2	Benzene	0.5	U	0.17	0.5
107-06-2	1,2-Dichloroethane	0.5	U	0.15	0.5
79-01-6	Trichloroethene	0.5	U	0.19	0.5
108-05-4	Vinyl acetate	1	U	0.18	1
78-87-5	1,2-Dichloropropane	1	U	0.15	1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: TRIP-1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386215 Lab File ID 86215.D

Sample wt/vol: 5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/30/11 Time: 1822

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
74-95-3	Dibromomethane	1	U	0.4	1
75-27-4	Bromodichloromethane	0.5	U	0.15	0.5
10061-01-5	cis-1,3-Dichloropropene	1	U	0.4	1
108-10-1	4-Methyl-2-pentanone	4	U	1	4
108-88-3	Toluene	1	U	0.14	1
10061-02-6	trans-1,3-Dichloropropene	1	U	0.3	1
79-00-5	1,1,2-Trichloroethane	1	U	0.2	1
127-18-4	Tetrachloroethene	0.5	U	0.21	0.5
142-28-9	1,3-Dichloropropane	0.4	U	0.3	0.4
591-78-6	2-Hexanone	4	U	0.48	4
124-48-1	Dibromochloromethane	0.2	U	0.13	0.2
106-93-4	1,2-Dibromoethane	1	U	0.11	1
108-90-7	Chlorobenzene	0.5	U	0.16	0.5
630-20-6	1,1,1,2-Tetrachloroethane	0.5	U	0.14	0.5
100-41-4	Ethylbenzene	0.5	U	0.22	0.5
179601-23-1	m,p-Xylene	0.4	U	0.23	0.4
95-47-6	o-Xylene	0.5	U	0.5	0.5
100-42-5	Styrene	1	U	0.12	1
75-25-2	Bromoform	1	U	0.19	1
98-82-8	Isopropylbenzene	0.5	U	0.14	0.5
108-86-1	Bromobenzene	1	U	0.21	1
79-34-5	1,1,2,2-Tetrachloroethane	1	U	0.13	1
96-18-4	1,2,3-Trichloropropane	1	U	0.35	1
103-65-1	n-Propylbenzene	1	U	0.14	1
95-49-8	2-Chlorotoluene	1	U	0.25	1
106-43-4	4-Chlorotoluene	1	U	0.15	1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: TRIP-1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386215 Lab File ID 86215.D

Sample wt/vol: 5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 08/30/11 Time: 1822

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
108-67-8	1,3,5-Trimethylbenzene	1	U	0.14	1
98-06-6	tert-Butylbenzene	1	U	0.2	1
95-63-6	1,2,4-Trimethylbenzene	1	U	0.13	1
135-98-8	sec-Butylbenzene	1	U	0.1	1
541-73-1	1,3-Dichlorobenzene	2	U	0.15	2
106-46-7	1,4-Dichlorobenzene	3	U	0.15	3
99-87-6	4-Isopropyltoluene	1	U	0.14	1
104-51-8	n-Butylbenzene	1	U	0.16	1
95-50-1	1,2-Dichlorobenzene	1	U	0.25	1
96-12-8	1,2-Dibromo-3-chloropropane	2	U	1	2
120-82-1	1,2,4-Trichlorobenzene	1	U	0.4	1
87-68-3	Hexachlorobutadiene	0.5	U	0.36	0.5
91-20-3	Naphthalene	5	U	0.5	5
87-61-6	1,2,3-Trichlorobenzene	2	U	0.16	2
1634-04-4	Methyl tert-butyl ether	1	U	0.5	1

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201.D

Sample wt/vol: 0.5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/01/11 Time: 0354

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-35-4	1,1-Dichloroethene	0.005	U	0.0019	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.0015	0.005
78-93-3	2-Butanone	0.04	U	0.02	0.04
71-43-2	Benzene	0.005	U	0.0017	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.0014	0.005
108-90-7	Chlorobenzene	0.005	U	0.0016	0.005
67-66-3	Chloroform	0.005	U	0.0016	0.005
127-18-4	Tetrachloroethene	0.005	U	0.0021	0.005
79-01-6	Trichloroethene	0.005	U	0.0019	0.005
75-01-4	Vinyl chloride	0.01	U	0.0018	0.01

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202.D

Sample wt/vol: 0.5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/01/11 Time: 0421

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-35-4	1,1-Dichloroethene	0.005	U	0.0019	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.0015	0.005
78-93-3	2-Butanone	0.04	U	0.02	0.04
71-43-2	Benzene	0.0025	J	0.0017	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.0014	0.005
108-90-7	Chlorobenzene	0.005	U	0.0016	0.005
67-66-3	Chloroform	0.005	U	0.0016	0.005
127-18-4	Tetrachloroethene	0.005	U	0.0021	0.005
79-01-6	Trichloroethene	0.0036	J	0.0019	0.005
75-01-4	Vinyl chloride	0.01	U	0.0018	0.01

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 86210.D

Sample wt/vol: 0.5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/01/11 Time: 0449

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-35-4	1,1-Dichloroethene	0.005	U	0.0019	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.0015	0.005
78-93-3	2-Butanone	0.04	U	0.02	0.04
71-43-2	Benzene	0.005	U	0.0017	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.0014	0.005
108-90-7	Chlorobenzene	0.005	U	0.0016	0.005
67-66-3	Chloroform	0.005	U	0.0016	0.005
127-18-4	Tetrachloroethene	0.005	U	0.0021	0.005
79-01-6	Trichloroethene	0.005	U	0.0019	0.005
75-01-4	Vinyl chloride	0.01	U	0.0018	0.01

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 86211.D

Sample wt/vol: 0.5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/01/11 Time: 0516

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-35-4	1,1-Dichloroethene	0.005	U	0.0019	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.0015	0.005
78-93-3	2-Butanone	0.04	U	0.02	0.04
71-43-2	Benzene	0.005	U	0.0017	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.0014	0.005
108-90-7	Chlorobenzene	0.005	U	0.0016	0.005
67-66-3	Chloroform	0.005	U	0.0016	0.005
127-18-4	Tetrachloroethene	0.005	U	0.0021	0.005
79-01-6	Trichloroethene	0.005	U	0.0019	0.005
75-01-4	Vinyl chloride	0.01	U	0.0018	0.01

VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-DISP-SOIL-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386213 Lab File ID 86213.D

Sample wt/vol: 0.5 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 5 Date Extracted:

Level:(low/med) LOW Date Analyzed: 09/01/11 Time: 0544

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: PURGETRAP Station ID: Method: 8260 TCLP

GPC Cleanup : (Y/N) pH:

Column(1): DB-624 ID: 0.18 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
75-35-4	1,1-Dichloroethene	0.005	U	0.0019	0.005
107-06-2	1,2-Dichloroethane	0.005	U	0.0015	0.005
78-93-3	2-Butanone	0.04	U	0.02	0.04
71-43-2	Benzene	0.005	U	0.0017	0.005
56-23-5	Carbon tetrachloride	0.005	U	0.0014	0.005
108-90-7	Chlorobenzene	0.005	U	0.0016	0.005
67-66-3	Chloroform	0.005	U	0.0016	0.005
127-18-4	Tetrachloroethene	0.005	U	0.0021	0.005
79-01-6	Trichloroethene	0.005	U	0.0019	0.005
75-01-4	Vinyl chloride	0.01	U	0.0018	0.01

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201D10.D

Sample wt/vol: 25.43 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/27/11 Time: 0548

PercentSolids: 95.2 decanted : Dilution Factor: 10

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
62-75-9	N-Nitrosodimethylamine	2200	U J	586	2200
62-53-3	Aniline	2230	U	636	2230
111-44-4	Bis(2-chloroethyl)ether	2230	U	554	2230
108-95-2	Phenol	11000	U	537	11000
95-57-8	2-Chlorophenol	2230	U	570	2230
541-73-1	1,3-Dichlorobenzene	2230	U	504	2230
106-46-7	1,4-Dichlorobenzene	2230	U	520	2230
95-50-1	1,2-Dichlorobenzene	2230	U	471	2230
100-51-6	Benzyl alcohol	5510	U	760	5510
108-60-1	2,2'-Oxybis(1-chloropropane)	2230	U	1820	2230
95-48-7	2-Methylphenol	2200	U	793	2200
67-72-1	Hexachloroethane	2230	U	413	2230
621-64-7	N-Nitroso-di-n-propylamine	2230	U	504	2230
106-44-5	4-Methylphenol	2230	U	487	2230
98-95-3	Nitrobenzene	2230	U	496	2230
78-59-1	Isophorone	2230	U	487	2230
88-75-5	2-Nitrophenol	2230	U	595	2230
105-67-9	2,4-Dimethylphenol	2200	U	471	2200
65-85-0	Benzoic acid	5510	U	2230	5510
111-91-1	Bis(2-chloroethoxy)methane	2200	U	471	2200
120-83-2	2,4-Dichlorophenol	2200	U	620	2200
120-82-1	1,2,4-Trichlorobenzene	2230	U	479	2230
91-20-3	Naphthalene	2230	U	529	2230
106-47-8	4-Chloroaniline	2230	U	520	2230
91-57-6	2-Methylnaphthalene	2230	U	479	2230
87-68-3	Hexachlorobutadiene	2230	U	479	2230

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201D10.D

Sample wt/vol: 25.43 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/27/11 Time: 0548

PercentSolids: 95.2 decanted : Dilution Factor: 10

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
59-50-7	4-Chloro-3-methylphenol	2230	U	463	2230
90-12-0	1-Methylnaphthalene	2230	U	512	2230
77-47-4	Hexachlorocyclopentadiene	5510	U	330	5510
88-06-2	2,4,6-Trichlorophenol	2200	U	562	2200
95-95-4	2,4,5-Trichlorophenol	2200	U	611	2200
91-58-7	2-Chloronaphthalene	2230	U	551	2230
88-74-4	2-Nitroaniline	2230	U	471	2230
208-96-8	Acenaphthylene	2230	U	454	2230
131-11-3	Dimethylphthalate	2230	U	487	2230
606-20-2	2,6-Dinitrotoluene	2230	U	413	2230
83-32-9	Acenaphthene	2230	U	405	2230
99-09-2	3-Nitroaniline	2200	U	661	2200
51-28-5	2,4-Dinitrophenol	11100	U	1820	11100
132-64-9	Dibenzofuran	2230	U	446	2230
121-14-2	2,4-Dinitrotoluene	2230	U	405	2230
100-02-7	4-Nitrophenol	5510	U	438	5510
86-73-7	Fluorene	2230	U	421	2230
7005-72-3	4-Chlorophenyl-phenylether	2230	U	421	2230
84-66-2	Diethylphthalate	2230	U	421	2230
100-01-6	4-Nitroaniline	2200	U	727	2200
534-52-1	4,6-Dinitro-2-methylphenol	2230	U	2200	2230
86-30-6	N-Nitrosodiphenylamine	2200	U	520	2200
101-55-3	4-Bromophenyl-phenylether	2230	U	405	2230
118-74-1	Hexachlorobenzene	2200	U	438	2200
87-86-5	Pentachlorophenol	2230	U	1100	2230
85-01-8	Phenanthrene	1190	J	463	2230

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201D10.D

Sample wt/vol: 25.43 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/27/11 Time: 0548

PercentSolids: 95.2 decanted : Dilution Factor: 10

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
120-12-7	Anthracene	2230	U	496	2230
84-74-2	Di-n-butylphthalate	2230	U	363	2230
206-44-0	Fluoranthene	2230	U	396	2230
129-00-0	Pyrene	2230	U	760	2230
92-87-5	Benzidine	5540	U	4960	5540
85-68-7	Butylbenzylphthalate	2230	U	520	2230
91-94-1	3,3'-Dichlorobenzidine	2230	U	487	2230
56-55-3	Benzo(a)anthracene	2230	U	471	2230
218-01-9	Chrysene	2200	U	281	2200
117-81-7	Bis(2-ethylhexyl)phthalate	2230	U	686	2230
117-84-0	Di-n-octylphthalate	2230	U	479	2230
205-99-2	Benzo(b)fluoranthene	2230	U	520	2230
207-08-9	Benzo(k)fluoranthene	2230	U	471	2230
50-32-8	Benzo(a)pyrene	2230	U	355	2230
193-39-5	Indeno(1,2,3-cd)pyrene	2230	U	430	2230
53-70-3	Dibenzo(a,h)anthracene	2230	U	339	2230
191-24-2	Benzo(g,h,i)perylene	2230	U	330	2230

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202D10.D

Sample wt/vol: 25.34 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/27/11 Time: 0618

PercentSolids: 74.4 decanted : Dilution Factor: 10

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	ANALYTE	RESULT	Q	MDL	RL
62-75-9	N-Nitrosodimethylamine	2830	U J	753	2830
62-53-3	Aniline	2860	U	817	2860
111-44-4	Bis(2-chloroethyl)ether	2860	U	711	2860
108-95-2	Phenol	14200	U	690	14200
95-57-8	2-Chlorophenol	2860	U	732	2860
541-73-1	1,3-Dichlorobenzene	2860	U	647	2860
106-46-7	1,4-Dichlorobenzene	2860	U	668	2860
95-50-1	1,2-Dichlorobenzene	2860	U	605	2860
100-51-6	Benzyl alcohol	7080	U	976	7080
108-60-1	2,2'-Oxybis(1-chloropropane)	2860	U	2330	2860
95-48-7	2-Methylphenol	2830	U	1020	2830
67-72-1	Hexachloroethane	2860	U	530	2860
621-64-7	N-Nitroso-di-n-propylamine	2860	U	647	2860
106-44-5	4-Methylphenol	2860	U	626	2860
98-95-3	Nitrobenzene	2860	U	636	2860
78-59-1	Isophorone	2860	U	626	2860
88-75-5	2-Nitrophenol	2860	U	764	2860
105-67-9	2,4-Dimethylphenol	2830	U	605	2830
65-85-0	Benzoic acid	7080	U	2860	7080
111-91-1	Bis(2-chloroethoxy)methane	2830	U	605	2830
120-83-2	2,4-Dichlorophenol	2830	U	796	2830
120-82-1	1,2,4-Trichlorobenzene	2860	U	615	2860
91-20-3	Naphthalene	2020	J	679	2860
106-47-8	4-Chloroaniline	2860	U	668	2860
91-57-6	2-Methylnaphthalene	691	J	615	2860
87-68-3	Hexachlorobutadiene	2860	U	615	2860

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202D10.D

Sample wt/vol: 25.34 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/27/11 Time: 0618

PercentSolids: 74.4 decanted : Dilution Factor: 10

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
59-50-7	4-Chloro-3-methylphenol	2860	U	594	2860
90-12-0	1-Methylnaphthalene	2860	U	658	2860
77-47-4	Hexachlorocyclopentadiene	7080	U	424	7080
88-06-2	2,4,6-Trichlorophenol	2830	U	721	2830
95-95-4	2,4,5-Trichlorophenol	2830	U	785	2830
91-58-7	2-Chloronaphthalene	2860	U	708	2860
88-74-4	2-Nitroaniline	2860	U	605	2860
208-96-8	Acenaphthylene	2860	U	583	2860
131-11-3	Dimethylphthalate	2860	U	626	2860
606-20-2	2,6-Dinitrotoluene	2860	U	530	2860
83-32-9	Acenaphthene	2860	U	520	2860
99-09-2	3-Nitroaniline	2830	U	849	2830
51-28-5	2,4-Dinitrophenol	14200	U	2330	14200
132-64-9	Dibenzofuran	2860	U	573	2860
121-14-2	2,4-Dinitrotoluene	2860	U	520	2860
100-02-7	4-Nitrophenol	7080	U	562	7080
86-73-7	Fluorene	2860	U	541	2860
7005-72-3	4-Chlorophenyl-phenylether	2860	U	541	2860
84-66-2	Diethylphthalate	2860	U	541	2860
100-01-6	4-Nitroaniline	2830	U	934	2830
534-52-1	4,6-Dinitro-2-methylphenol	2860	U	2820	2860
86-30-6	N-Nitrosodiphenylamine	2830	U	668	2830
101-55-3	4-Bromophenyl-phenylether	2860	U	520	2860
118-74-1	Hexachlorobenzene	2830	U	562	2830
87-86-5	Pentachlorophenol	2860	U	1410	2860
85-01-8	Phenanthrene	2320	J	594	2860

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202D10.D

Sample wt/vol: 25.34 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/27/11 Time: 0618

PercentSolids: 74.4 decanted : Dilution Factor: 10

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
120-12-7	Anthracene	2860	U	636	2860
84-74-2	Di-n-butylphthalate	2860	U	467	2860
206-44-0	Fluoranthene	1900	J	509	2860
129-00-0	Pyrene	1620	J	976	2860
92-87-5	Benzidine	7110	U	6360	7110
85-68-7	Butylbenzylphthalate	2860	U	668	2860
91-94-1	3,3'-Dichlorobenzidine	2860	U	626	2860
56-55-3	Benzo(a)anthracene	732	J	605	2860
218-01-9	Chrysene	757	J	361	2830
117-81-7	Bis(2-ethylhexyl)phthalate	3830		880	2860
117-84-0	Di-n-octylphthalate	2860	U	615	2860
205-99-2	Benzo(b)fluoranthene	2860	U	668	2860
207-08-9	Benzo(k)fluoranthene	2860	U	605	2860
50-32-8	Benzo(a)pyrene	2860	U	456	2860
193-39-5	Indeno(1,2,3-cd)pyrene	2860	U	552	2860
53-70-3	Dibenzo(a,h)anthracene	2860	U	435	2860
191-24-2	Benzo(g,h,i)perylene	523	J	424	2860

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 86210D5.D

Sample wt/vol: 25.42 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1531

PercentSolids: 75.2 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
62-75-9	N-Nitrosodimethylamine	1400	U J	371	1400
62-53-3	Aniline	1410	U	403	1410
111-44-4	Bis(2-chloroethyl)ether	1410	U	350	1410
108-95-2	Phenol	6980	U	340	6980
95-57-8	2-Chlorophenol	1410	U	361	1410
541-73-1	1,3-Dichlorobenzene	1410	U	319	1410
106-46-7	1,4-Dichlorobenzene	1410	U	330	1410
95-50-1	1,2-Dichlorobenzene	1410	U	298	1410
100-51-6	Benzyl alcohol	3490	U	481	3490
108-60-1	2,2'-Oxybis(1-chloropropane)	1410	U	1150	1410
95-48-7	2-Methylphenol	1400	U	502	1400
67-72-1	Hexachloroethane	1410	U	262	1410
621-64-7	N-Nitroso-di-n-propylamine	1410	U	319	1410
106-44-5	4-Methylphenol	1410	U	309	1410
98-95-3	Nitrobenzene	1410	U	314	1410
78-59-1	Isophorone	1410	U	309	1410
88-75-5	2-Nitrophenol	1410	U	377	1410
105-67-9	2,4-Dimethylphenol	1400	U	298	1400
65-85-0	Benzoic acid	3490	U	1410	3490
111-91-1	Bis(2-chloroethoxy)methane	1400	U	298	1400
120-83-2	2,4-Dichlorophenol	1400	U	392	1400
120-82-1	1,2,4-Trichlorobenzene	1410	U	303	1410
91-20-3	Naphthalene	1410	U	335	1410
106-47-8	4-Chloroaniline	1410	U	330	1410
91-57-6	2-Methylnaphthalene	1410	U	303	1410
87-68-3	Hexachlorobutadiene	1410	U	303	1410

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 86210D5.D

Sample wt/vol: 25.42 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1531

PercentSolids: 75.2 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
59-50-7	4-Chloro-3-methylphenol	1410	U	293	1410
90-12-0	1-Methylnaphthalene	1410	U	324	1410
77-47-4	Hexachlorocyclopentadiene	3490	U	209	3490
88-06-2	2,4,6-Trichlorophenol	1400	U	356	1400
95-95-4	2,4,5-Trichlorophenol	1400	U	387	1400
91-58-7	2-Chloronaphthalene	1410	U	349	1410
88-74-4	2-Nitroaniline	1410	U	298	1410
208-96-8	Acenaphthylene	1410	U	288	1410
131-11-3	Dimethylphthalate	1410	U	309	1410
606-20-2	2,6-Dinitrotoluene	1410	U	262	1410
83-32-9	Acenaphthene	1410	U	256	1410
99-09-2	3-Nitroaniline	1400	U	418	1400
51-28-5	2,4-Dinitrophenol	7010	U	1150	7010
132-64-9	Dibenzofuran	1410	U	282	1410
121-14-2	2,4-Dinitrotoluene	1410	U	256	1410
100-02-7	4-Nitrophenol	3490	U	277	3490
86-73-7	Fluorene	1410	U	267	1410
7005-72-3	4-Chlorophenyl-phenylether	1410	U	267	1410
84-66-2	Diethylphthalate	1410	U	267	1410
100-01-6	4-Nitroaniline	1400	U	460	1400
534-52-1	4,6-Dinitro-2-methylphenol	1410	U	1390	1410
86-30-6	N-Nitrosodiphenylamine	1400	U	330	1400
101-55-3	4-Bromophenyl-phenylether	1410	U	256	1410
118-74-1	Hexachlorobenzene	1400	U	277	1400
87-86-5	Pentachlorophenol	1410	U	696	1410
85-01-8	Phenanthrene	1410	U	293	1410

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 86210D5.D

Sample wt/vol: 25.42 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1531

PercentSolids: 75.2 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
120-12-7	Anthracene	1410	U	314	1410
84-74-2	Di-n-butylphthalate	1410	U	230	1410
206-44-0	Fluoranthene	1410	U	251	1410
129-00-0	Pyrene	1410	U	481	1410
92-87-5	Benzidine	3500	U	3140	3500
85-68-7	Butylbenzylphthalate	1410	U	330	1410
91-94-1	3,3'-Dichlorobenzidine	1410	U	309	1410
56-55-3	Benzo(a)anthracene	1410	U	298	1410
218-01-9	Chrysene	1400	U	178	1400
117-81-7	Bis(2-ethylhexyl)phthalate	1410	U	434	1410
117-84-0	Di-n-octylphthalate	1410	U	303	1410
205-99-2	Benzo(b)fluoranthene	1410	U	330	1410
207-08-9	Benzo(k)fluoranthene	1410	U	298	1410
50-32-8	Benzo(a)pyrene	1410	U	225	1410
193-39-5	Indeno(1,2,3-cd)pyrene	1410	U	272	1410
53-70-3	Dibenzo(a,h)anthracene	1410	U	214	1410
191-24-2	Benzo(g,h,i)perylene	1410	U	209	1410

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 86211D5.D

Sample wt/vol: 25.27 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1603

PercentSolids: 74.4 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
62-75-9	N-Nitrosodimethylamine	1420	U J	378	1420
62-53-3	Aniline	1440	U	410	1440
111-44-4	Bis(2-chloroethyl)ether	1440	U	356	1440
108-95-2	Phenol	7100	U	346	7100
95-57-8	2-Chlorophenol	1440	U	367	1440
541-73-1	1,3-Dichlorobenzene	1440	U	324	1440
106-46-7	1,4-Dichlorobenzene	1440	U	335	1440
95-50-1	1,2-Dichlorobenzene	1440	U	303	1440
100-51-6	Benzyl alcohol	3550	U	489	3550
108-60-1	2,2'-Oxybis(1-chloropropane)	1440	U	1170	1440
95-48-7	2-Methylphenol	1420	U	511	1420
67-72-1	Hexachloroethane	1440	U	266	1440
621-64-7	N-Nitroso-di-n-propylamine	1440	U	324	1440
106-44-5	4-Methylphenol	1440	U	314	1440
98-95-3	Nitrobenzene	1440	U	319	1440
78-59-1	Isophorone	1440	U	314	1440
88-75-5	2-Nitrophenol	1440	U	383	1440
105-67-9	2,4-Dimethylphenol	1420	U	303	1420
65-85-0	Benzoic acid	3550	U	1440	3550
111-91-1	Bis(2-chloroethoxy)methane	1420	U	303	1420
120-83-2	2,4-Dichlorophenol	1420	U	399	1420
120-82-1	1,2,4-Trichlorobenzene	1440	U	308	1440
91-20-3	Naphthalene	1440	U	340	1440
106-47-8	4-Chloroaniline	1440	U	335	1440
91-57-6	2-Methylnaphthalene	1440	U	308	1440
87-68-3	Hexachlorobutadiene	1440	U	308	1440

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 86211D5.D

Sample wt/vol: 25.27 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1603

PercentSolids: 74.4 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
59-50-7	4-Chloro-3-methylphenol	1440	U	298	1440
90-12-0	1-Methylnaphthalene	1440	U	330	1440
77-47-4	Hexachlorocyclopentadiene	3550	U	213	3550
88-06-2	2,4,6-Trichlorophenol	1420	U	362	1420
95-95-4	2,4,5-Trichlorophenol	1420	U	394	1420
91-58-7	2-Chloronaphthalene	1440	U	355	1440
88-74-4	2-Nitroaniline	1440	U	303	1440
208-96-8	Acenaphthylene	1440	U	292	1440
131-11-3	Dimethylphthalate	1440	U	314	1440
606-20-2	2,6-Dinitrotoluene	1440	U	266	1440
83-32-9	Acenaphthene	1440	U	261	1440
99-09-2	3-Nitroaniline	1420	U	426	1420
51-28-5	2,4-Dinitrophenol	7130	U	1170	7130
132-64-9	Dibenzofuran	1440	U	287	1440
121-14-2	2,4-Dinitrotoluene	1440	U	261	1440
100-02-7	4-Nitrophenol	3550	U	282	3550
86-73-7	Fluorene	1440	U	271	1440
7005-72-3	4-Chlorophenyl-phenylether	1440	U	271	1440
84-66-2	Diethylphthalate	1440	U	271	1440
100-01-6	4-Nitroaniline	1420	U	468	1420
534-52-1	4,6-Dinitro-2-methylphenol	1440	U	1410	1440
86-30-6	N-Nitrosodiphenylamine	1420	U	335	1420
101-55-3	4-Bromophenyl-phenylether	1440	U	261	1440
118-74-1	Hexachlorobenzene	1420	U	282	1420
87-86-5	Pentachlorophenol	1440	U	707	1440
85-01-8	Phenanthrene	1440	U	298	1440

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 86211D5.D

Sample wt/vol: 25.27 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1603

PercentSolids: 74.4 decanted : Dilution Factor: 5

Extraction: OTHER Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
120-12-7	Anthracene	1440	U	319	1440
84-74-2	Di-n-butylphthalate	1440	U	234	1440
206-44-0	Fluoranthene	1440	U	255	1440
129-00-0	Pyrene	1440	U	489	1440
92-87-5	Benzidine	3560	U	3190	3560
85-68-7	Butylbenzylphthalate	1440	U	335	1440
91-94-1	3,3'-Dichlorobenzidine	1440	U	314	1440
56-55-3	Benzo(a)anthracene	1440	U	303	1440
218-01-9	Chrysene	1420	U	181	1420
117-81-7	Bis(2-ethylhexyl)phthalate	1440	U	441	1440
117-84-0	Di-n-octylphthalate	1440	U	308	1440
205-99-2	Benzo(b)fluoranthene	1440	U	335	1440
207-08-9	Benzo(k)fluoranthene	1440	U	303	1440
50-32-8	Benzo(a)pyrene	1440	U	229	1440
193-39-5	Indeno(1,2,3-cd)pyrene	1440	U	276	1440
53-70-3	Dibenzo(a,h)anthracene	1440	U	218	1440
191-24-2	Benzo(g,h,i)perylene	1440	U	213	1440

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214 Lab File ID 86214D2.D

Sample wt/vol: 980 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/24/11

Level:(low/med) LOW Date Analyzed: 09/07/11 Time: 1520

PercentSolids: 0 decanted : Dilution Factor: 2

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
62-75-9	N-Nitrosodimethylamine	8.2	U	4.5	8.2
62-53-3	Aniline	8.2	U	5.7	8.2
111-44-4	Bis(2-chloroethyl)ether	8.2	U	6.1	8.2
108-95-2	Phenol	4.4	J	3.5	8.2
95-57-8	2-Chlorophenol	8.2	U	5.9	8.2
541-73-1	1,3-Dichlorobenzene	8.2	U	5.5	8.2
106-46-7	1,4-Dichlorobenzene	8.2	U	5.5	8.2
95-50-1	1,2-Dichlorobenzene	8.2	U	5.3	8.2
100-51-6	Benzyl alcohol	20.4	U	6.3	20.4
108-60-1	2,2'-Oxybis(1-chloropropane)	8.2	U	6.7	8.2
95-48-7	2-Methylphenol	8.2	U	5.3	8.2
67-72-1	Hexachloroethane	8.2	U	5.3	8.2
621-64-7	N-Nitroso-di-n-propylamine	8.2	U	6.1	8.2
106-44-5	4-Methylphenol	20.4	U	12.4	20.4
98-95-3	Nitrobenzene	8.2	U	2	8.2
78-59-1	Isophorone	8.2	U	7.8	8.2
88-75-5	2-Nitrophenol	8.2	U	1.6	8.2
105-67-9	2,4-Dimethylphenol	8.2	U	4.7	8.2
65-85-0	Benzoic acid	102	U	28.6	102
111-91-1	Bis(2-chloroethoxy)methane	8.2	U	7.1	8.2
120-83-2	2,4-Dichlorophenol	8.2	U	6.3	8.2
120-82-1	1,2,4-Trichlorobenzene	8.2	U	5.3	8.2
91-20-3	Naphthalene	8.2	U	5.7	8.2
106-47-8	4-Chloroaniline	8.2	U	6.1	8.2
91-57-6	2-Methylnaphthalene	8.2	U	5.7	8.2
87-68-3	Hexachlorobutadiene	8.2	U	5.1	8.2

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214 Lab File ID 86214D2.D

Sample wt/vol: 980 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/24/11

Level:(low/med) LOW Date Analyzed: 09/07/11 Time: 1520

PercentSolids: 0 decanted : Dilution Factor: 2

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
59-50-7	4-Chloro-3-methylphenol	8.2	U	5.5	8.2
90-12-0	1-Methylnaphthalene	8.2	U	5.5	8.2
77-47-4	Hexachlorocyclopentadiene	8.2	U	1.7	8.2
88-06-2	2,4,6-Trichlorophenol	8.2	U	1.7	8.2
95-95-4	2,4,5-Trichlorophenol	8.2	U	6.9	8.2
91-58-7	2-Chloronaphthalene	8.2	U	5.7	8.2
88-74-4	2-Nitroaniline	8.2	U	6.1	8.2
208-96-8	Acenaphthylene	8.2	U	6.1	8.2
131-11-3	Dimethylphthalate	8.2	U	6.1	8.2
606-20-2	2,6-Dinitrotoluene	8.2	U	5.7	8.2
83-32-9	Acenaphthene	8.2	U	5.7	8.2
99-09-2	3-Nitroaniline	8.2	U	5.7	8.2
51-28-5	2,4-Dinitrophenol	40.8	U J	11.4	40.8
132-64-9	Dibenzofuran	8.2	U	5.5	8.2
121-14-2	2,4-Dinitrotoluene	8.2	U	5.7	8.2
100-02-7	4-Nitrophenol	8.2	U	8.2	8.2
86-73-7	Fluorene	8.2	U	5.9	8.2
7005-72-3	4-Chlorophenyl-phenylether	8.2	U	5.1	8.2
84-66-2	Diethylphthalate	8.2	U	5.7	8.2
100-01-6	4-Nitroaniline	8.2	U	2.6	8.2
534-52-1	4,6-Dinitro-2-methylphenol	8.2	U	8.2	8.2
86-30-6	N-Nitrosodiphenylamine	8.2	U	6.9	8.2
101-55-3	4-Bromophenyl-phenylether	8.2	U	4.7	8.2
118-74-1	Hexachlorobenzene	8.2	U	0.84	8.2
87-86-5	Pentachlorophenol	20.4	U	2.8	20.4
85-01-8	Phenanthrene	8.2	U	5.7	8.2

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214 Lab File ID 86214D2.D

Sample wt/vol: 980 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/24/11

Level:(low/med) LOW Date Analyzed: 09/07/11 Time: 1520

PercentSolids: 0 decanted : Dilution Factor: 2

Extraction: SEPF Station ID: Method: 8270

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
120-12-7	Anthracene	8.2	U	5.7	8.2
84-74-2	Di-n-butylphthalate	2	JB U	1.8	8.2
206-44-0	Fluoranthene	8.2	U	5.7	8.2
129-00-0	Pyrene	8.2	U	2.4	8.2
92-87-5	Benzidine	40.8	U	40.8	40.8
85-68-7	Butylbenzylphthalate	8.2	U	6.1	8.2
91-94-1	3,3'-Dichlorobenzidine	8.2	U	5.5	8.2
56-55-3	Benzo(a)anthracene	8.2	U	5.3	8.2
218-01-9	Chrysene	8.2	U	5.9	8.2
117-81-7	Bis(2-ethylhexyl)phthalate	119	B =	9	10.2
117-84-0	Di-n-octylphthalate	8.2	U	2.2	8.2
205-99-2	Benzo(b)fluoranthene	8.2	U	5.3	8.2
207-08-9	Benzo(k)fluoranthene	8.2	U	5.9	8.2
50-32-8	Benzo(a)pyrene	8.2	U	5.7	8.2
193-39-5	Indeno(1,2,3-cd)pyrene	8.2	U	3.3	8.2
53-70-3	Dibenzo(a,h)anthracene	8.2	U	2.4	8.2
191-24-2	Benzo(g,h,i)perylene	8.2	U	5.3	8.2

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201T.D

Sample wt/vol: 440 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/26/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1214

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
110-86-1	Pyridine	0.00909	U	0.00477	0.00909
106-46-7	1,4-Dichlorobenzene	0.00909	U	0.00614	0.00909
95-48-7	2-Methylphenol	0.00909	U	0.00591	0.00909
67-72-1	Hexachloroethane	0.00909	U	0.00591	0.00909
106-44-5	4-Methylphenol	0.0227	U	0.0139	0.0227
98-95-3	Nitrobenzene	0.00909	U	0.00227	0.00909
87-68-3	Hexachlorobutadiene	0.00909	U	0.00568	0.00909
88-06-2	2,4,6-Trichlorophenol	0.00909	U	0.00191	0.00909
95-95-4	2,4,5-Trichlorophenol	0.00909	U	0.00773	0.00909
121-14-2	2,4-Dinitrotoluene	0.00909	U	0.00636	0.00909
118-74-1	Hexachlorobenzene	0.00909	U	0.000932	0.00909
87-86-5	Pentachlorophenol	0.0227	U	0.00318	0.0227

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202T.D

Sample wt/vol: 500 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/26/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1319

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
110-86-1	Pyridine	0.008	U	0.0042	0.008
106-46-7	1,4-Dichlorobenzene	0.008	U	0.0054	0.008
95-48-7	2-Methylphenol	0.008	U	0.0052	0.008
67-72-1	Hexachloroethane	0.008	U	0.0052	0.008
106-44-5	4-Methylphenol	0.02	U	0.0122	0.02
98-95-3	Nitrobenzene	0.008	U	0.002	0.008
87-68-3	Hexachlorobutadiene	0.008	U	0.005	0.008
88-06-2	2,4,6-Trichlorophenol	0.008	U	0.00168	0.008
95-95-4	2,4,5-Trichlorophenol	0.008	U	0.0068	0.008
121-14-2	2,4-Dinitrotoluene	0.008	U	0.0056	0.008
118-74-1	Hexachlorobenzene	0.008	U	0.00082	0.008
87-86-5	Pentachlorophenol	0.02	U	0.0028	0.02

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SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ftRE1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386202RE1 Lab File ID 86202TR.D

Sample wt/vol: 475 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 09/07/11

Level:(low/med) LOW Date Analyzed: 09/07/11 Time: 1658

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
110-86-1	Pyridine	0.00842	U	0.00442	0.00842
106-46-7	1,4-Dichlorobenzene	0.00842	U	0.00568	0.00842
95-48-7	2-Methylphenol	0.00842	U	0.00547	0.00842
67-72-1	Hexachloroethane	0.00842	U	0.00547	0.00842
106-44-5	4-Methylphenol	0.021	U	0.0128	0.021
98-95-3	Nitrobenzene	0.00842	U	0.0021	0.00842
87-68-3	Hexachlorobutadiene	0.00842	U	0.00526	0.00842
88-06-2	2,4,6-Trichlorophenol	0.00842	U	0.00177	0.00842
95-95-4	2,4,5-Trichlorophenol	0.00842	U	0.00716	0.00842
121-14-2	2,4-Dinitrotoluene	0.00842	U	0.00589	0.00842
118-74-1	Hexachlorobenzene	0.00842	U	0.000863	0.00842
87-86-5	Pentachlorophenol	0.021	U	0.00295	0.021

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 86210T.D

Sample wt/vol: 500 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/26/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1352

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
110-86-1	Pyridine	0.008	U	0.0042	0.008
106-46-7	1,4-Dichlorobenzene	0.008	U	0.0054	0.008
95-48-7	2-Methylphenol	0.008	U	0.0052	0.008
67-72-1	Hexachloroethane	0.008	U	0.0052	0.008
106-44-5	4-Methylphenol	0.02	U	0.0122	0.02
98-95-3	Nitrobenzene	0.008	U	0.002	0.008
87-68-3	Hexachlorobutadiene	0.008	U	0.005	0.008
88-06-2	2,4,6-Trichlorophenol	0.008	U	0.00168	0.008
95-95-4	2,4,5-Trichlorophenol	0.008	U	0.0068	0.008
121-14-2	2,4-Dinitrotoluene	0.008	U	0.0056	0.008
118-74-1	Hexachlorobenzene	0.008	U	0.00082	0.008
87-86-5	Pentachlorophenol	0.02	U	0.0028	0.02

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 86211T.D

Sample wt/vol: 500 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/26/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1426

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
110-86-1	Pyridine	0.008	U	0.0042	0.008
106-46-7	1,4-Dichlorobenzene	0.008	U	0.0054	0.008
95-48-7	2-Methylphenol	0.008	U	0.0052	0.008
67-72-1	Hexachloroethane	0.008	U	0.0052	0.008
106-44-5	4-Methylphenol	0.02	U	0.0122	0.02
98-95-3	Nitrobenzene	0.008	U	0.002	0.008
87-68-3	Hexachlorobutadiene	0.008	U	0.005	0.008
88-06-2	2,4,6-Trichlorophenol	0.008	U	0.00168	0.008
95-95-4	2,4,5-Trichlorophenol	0.008	U	0.0068	0.008
121-14-2	2,4-Dinitrotoluene	0.008	U	0.0056	0.008
118-74-1	Hexachlorobenzene	0.008	U	0.00082	0.008
87-86-5	Pentachlorophenol	0.02	U	0.0028	0.02

SEMI-VOLATILE ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-DISP-SOIL-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386213 Lab File ID 86213T.D

Sample wt/vol: 500 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 1 Date Extracted: 08/26/11

Level:(low/med) LOW Date Analyzed: 09/02/11 Time: 1458

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8270 TCLP

GPC Cleanup : (Y/N) N pH:

Column(1): HPMS-5 ID: 0.25 (mm)

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
110-86-1	Pyridine	0.008	U	0.0042	0.008
106-46-7	1,4-Dichlorobenzene	0.008	U	0.0054	0.008
95-48-7	2-Methylphenol	0.008	U	0.0052	0.008
67-72-1	Hexachloroethane	0.008	U	0.0052	0.008
106-44-5	4-Methylphenol	0.02	U	0.0122	0.02
98-95-3	Nitrobenzene	0.008	U	0.002	0.008
87-68-3	Hexachlorobutadiene	0.008	U	0.005	0.008
88-06-2	2,4,6-Trichlorophenol	0.008	U	0.00168	0.008
95-95-4	2,4,5-Trichlorophenol	0.008	U	0.0068	0.008
121-14-2	2,4-Dinitrotoluene	0.008	U	0.0056	0.008
118-74-1	Hexachlorobenzene	0.008	U	0.00082	0.008
87-86-5	Pentachlorophenol	0.02	U	0.0028	0.02

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 95.2 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	5.66			P		0.37	0.741
7440-43-9	Cadmium	0.817			P		0.037	0.37
7440-47-3	Chromium	14.1			P		0.118	0.37
7439-92-1	Lead	54.2			P		0.252	0.593
7439-97-6	Mercury	0.0264			CV		0.003	0.0161
7782-49-2	Selenium	1.48	U		P		0.296	1.48
7440-22-4	Silver	0.37	U		P		0.118	0.37

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-1 16ft-16.5ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201DL1

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 95.2 Station ID:

CONCENTRATION UNITS: *MG/KG*

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-39-3	Barium	506			P		0.237	0.741

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 74.4 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.932	U		P		0.466	0.932
7440-39-3	Barium	356			P		0.149	0.466
7440-43-9	Cadmium	60.3			P		0.0466	0.466
7439-97-6	Mercury	0.251			CV		0.0046	0.0248
7782-49-2	Selenium	1.6	J		P		0.373	1.86
7440-22-4	Silver	14.5			P		0.149	0.466

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-2 11ft-12ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202DL1

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 74.4 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-47-3	Chromium	4030			P		2.98	9.32

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-2 11ft-12ftDL2

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202DL2

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 74.4 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-92-1	Lead	828			P		0.634	1.49

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DRUM-1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386203

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 66.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	2.01			P		0.65	1.3
7440-43-9	Cadmium	6.66			P		0.065	0.65
7440-47-3	Chromium	44.2			P		0.208	0.65
7439-97-6	Mercury	0.0922			CV		0.0051	0.0277
7782-49-2	Selenium	4.11			P		0.52	2.6
7440-22-4	Silver	0.65	U		P		0.208	0.65

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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080911 1741

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DRUM-1DL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386203DL1

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 66.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-39-3	Barium	14700			P		5.2	16.3

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DRUM-1DL2

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386203DL2

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 66.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-92-1	Lead	2360			P		2.21	5.2

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DRUM-2

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386204

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 93.1 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	57.9			P		0.286	0.572
7440-39-3	Barium	44.2			P		0.0915	0.286
7439-92-1	Lead	108			P		0.194	0.458
7439-97-6	Mercury	0.0191	J		CV		0.004	0.0214
7782-49-2	Selenium	1.14	U		P		0.229	1.14
7440-22-4	Silver	2.19			P		0.0915	0.286

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DRUM-2DL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386204DL1

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 93.1 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-43-9	Cadmium	441			P		0.143	1.43
7440-47-3	Chromium	792			P		0.458	1.43

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SS-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386205

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 70.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	1.2	U		P		0.598	1.2
7440-43-9	Cadmium	0.769			P		0.0598	0.598
7439-97-6	Mercury	0.115			CV		0.0035	0.0187
7782-49-2	Selenium	2.39	U		P		0.478	2.39
7440-22-4	Silver	0.294	J		P		0.191	0.598

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SS-01DL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386205DL1

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 70.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-39-3	Barium	900			P		1.91	5.98
7440-47-3	Chromium	3980			P		1.91	5.98

Color Before: _____ Clarity Before: _____ Texture :_____

Color After : _____ Clarity After: _____ Artifacts:_____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SS-01DL2

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386205DL2

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 70.5 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7439-92-1	Lead	16100			P		20.3	47.8

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-2 6ft-8ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386206

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 80 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	39.8			P		0.427	0.854
7440-43-9	Cadmium	21.6			P		0.0427	0.427
7440-47-3	Chromium	150			P		0.137	0.427
7439-97-6	Mercury	0.294			CV		0.0026	0.014
7782-49-2	Selenium	1.12	J		P		0.342	1.71
7440-22-4	Silver	7			P		0.137	0.427

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-2 6ft-8ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386206DL1

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 80 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-39-3	Barium	632			P		0.683	2.13
7439-92-1	Lead	1500			P		1.45	3.42

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-3 10ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386207

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 82 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	23.9	J	*N	P		0.531	1.06
7440-43-9	Cadmium	23.2		E	P		0.0531	0.531
7440-47-3	Chromium	109	J	N	P		0.17	0.531
7439-97-6	Mercury	0.706	J	N	CV		0.0069	0.0373
7782-49-2	Selenium	3.85			P		0.425	2.12
7440-22-4	Silver	10.5			P		0.17	0.531

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-3 10ft-12ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386207DL1

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 82 Station ID:

CONCENTRATION UNITS: *MG/KG*

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-39-3	Barium	485			P		0.85	2.66
7439-92-1	Lead	1380			P		1.8	4.25

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 75.2 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	13.4			P		0.578	1.16
7440-39-3	Barium	58.6			P		0.185	0.578
7440-43-9	Cadmium	0.609			P		0.0578	0.578
7440-47-3	Chromium	20.6			P		0.185	0.578
7439-92-1	Lead	28.6			P		0.393	0.925
7439-97-6	Mercury	0.282			CV		0.0037	0.0197
7782-49-2	Selenium	2.31	U		P		0.462	2.31
7440-22-4	Silver	0.578	U		P		0.185	0.578

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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U.S. EPA - CLP

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 74.4 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	8.24			P		0.632	1.26
7440-39-3	Barium	47.9			P		0.202	0.632
7440-43-9	Cadmium	0.574	J		P		0.0632	0.632
7440-47-3	Chromium	18.6			P		0.202	0.632
7439-92-1	Lead	30			P		0.43	1.01
7439-97-6	Mercury	0.221			CV		0.0046	0.0247
7782-49-2	Selenium	2.53	U		P		0.505	2.53
7440-22-4	Silver	0.632	U		P		0.202	0.632

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-7 4ft-6ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386212

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 76.4 Station ID:

CONCENTRATION UNITS: MG/KG

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	12			P		0.528	1.06
7440-39-3	Barium	97.4			P		0.169	0.528
7440-43-9	Cadmium	0.361	J		P		0.0528	0.528
7440-47-3	Chromium	25			P		0.169	0.528
7439-92-1	Lead	38.6			P		0.359	0.844
7439-97-6	Mercury	0.0603			CV		0.0038	0.0205
7782-49-2	Selenium	1	J		P		0.422	2.11
7440-22-4	Silver	0.528	U		P		0.169	0.528

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: *UG/L*

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	21.3			P		3.31	10
7440-39-3	Barium	401			P		0.22	10
7440-43-9	Cadmium	6.43			P		0.72	5
7440-47-3	Chromium	146			P		0.43	10
7439-92-1	Lead	347			P		3.7	15
7439-97-6	Mercury	0.83			CV		0.037	0.2
7782-49-2	Selenium	20	U		P		4.1	20
7440-22-4	Silver	10	U		P		0.52	10

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	3.68			P		0.0022	0.1
7440-43-9	Cadmium	0.00886	J		P		0.0072	0.05
7440-47-3	Chromium	0.011	J		P		0.0043	0.1
7439-92-1	Lead	0.0877	J		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.00603	J		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	0.593			P		0.0022	0.1
7440-43-9	Cadmium	0.05	U		P		0.0072	0.05
7440-47-3	Chromium	0.0574	J		P		0.0043	0.1
7439-92-1	Lead	0.0507	J		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.00759	J		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DRUM-1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386203

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	6.6			P		0.0022	0.1
7440-43-9	Cadmium	0.0231	J		P		0.0072	0.05
7440-47-3	Chromium	0.00815	J		P		0.0043	0.1
7439-92-1	Lead	1.18			P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.1	U		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DRUM-2

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386204

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	0.401			P		0.0022	0.1
7440-43-9	Cadmium	0.836			P		0.0072	0.05
7440-47-3	Chromium	0.0168	J		P		0.0043	0.1
7439-92-1	Lead	0.15	U		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.00747	J		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SS-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386205

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	3.33			P		0.0022	0.1
7440-43-9	Cadmium	0.0126	J		P		0.0072	0.05
7440-47-3	Chromium	0.0282	J		P		0.0043	0.1
7439-92-1	Lead	8.35			P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.1	U		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-2 6ft-8ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386206

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	0.802			P		0.0022	0.1
7440-43-9	Cadmium	0.0626			P		0.0072	0.05
7440-47-3	Chromium	0.0106	J		P		0.0043	0.1
7439-92-1	Lead	2.84			P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.1	U		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-3 10ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386207

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	0.898			P		0.0022	0.1
7440-43-9	Cadmium	0.03	J		P		0.0072	0.05
7440-47-3	Chromium	0.0136	J		P		0.0043	0.1
7439-92-1	Lead	0.138	J		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.1	U		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

CONCENTRATION UNITS: MG/L

TCLP Analysis

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	0.746			P		0.0022	0.1
7440-43-9	Cadmium	0.05	U		P		0.0072	0.05
7440-47-3	Chromium	0.0111	J		P		0.0043	0.1
7439-92-1	Lead	0.0712	J		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.1	U		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	0.0162	J		P		0.0022	0.1
7440-43-9	Cadmium	0.05	U		P		0.0072	0.05
7440-47-3	Chromium	0.1	U		P		0.0043	0.1
7439-92-1	Lead	0.15	U		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.00982	J		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-SB-7 4ft-6ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386212

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	0.493			P		0.0022	0.1
7440-43-9	Cadmium	0.00756	J		P		0.0072	0.05
7440-47-3	Chromium	0.1	U		P		0.0043	0.1
7439-92-1	Lead	0.0485	J		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.1	U		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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INORGANIC ANALYSIS DATA SHEET

EPA Sample No.

KD-DISP-SOIL-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 1012

Lab Code : PEL Case No.: SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386213

Level:(low/med) LOW Date Received: 8/23/2011

PercentSolids: 0 Station ID:

TCLP Analysis

CONCENTRATION UNITS: MG/L

CAS NO.	ANALYTE	Concentration	C	Q	M		MDL	RL
7440-38-2	Arsenic	0.1	U		P		0.0331	0.1
7440-39-3	Barium	1.05			P		0.0022	0.1
7440-43-9	Cadmium	0.05	U		P		0.0072	0.05
7440-47-3	Chromium	0.0097	J		P		0.0043	0.1
7439-92-1	Lead	0.0556	J		P		0.037	0.15
7439-97-6	Mercury	0.002	U		CV		0.0004	0.002
7782-49-2	Selenium	0.2	U		P		0.041	0.2
7440-22-4	Silver	0.1	U		P		0.0052	0.1

Color Before: _____ Clarity Before: _____ Texture : _____

Color After : _____ Clarity After: _____ Artifacts: _____

Comments:

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060911 1742

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-1 16ft-16.5ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386201 Lab File ID 86201.D

Sample wt/vol: 25.65 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 10 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/31/11 Time: 0857

PercentSolids: 95.2 decanted : Dilution Factor: 1

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	24	U	11	24
11096-82-5	Aroclor-1260	24	U	5	24
11104-28-2	Aroclor-1221	24	U	9.8	24
11141-16-5	Aroclor-1232	24	U	16	24
53469-21-9	Aroclor-1242	24	U	9	24
12672-29-6	Aroclor-1248	24	U	9	24
11097-69-1	Aroclor-1254	280		7.8	24

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-2 11ft-12ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386202 Lab File ID 86202.D

Sample wt/vol: 25.7 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 10 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/31/11 Time: 0912

PercentSolids: 74.4 decanted : Dilution Factor: 1

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	31	U	14	31
11096-82-5	Aroclor-1260	31	U	6.4	31
11104-28-2	Aroclor-1221	31	U	12	31
11141-16-5	Aroclor-1232	31	U	21	31
53469-21-9	Aroclor-1242	31	U	12	31
12672-29-6	Aroclor-1248	31	U	12	31
11097-69-1	Aroclor-1254	31	U	9.9	31

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-6 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386210 Lab File ID 86210D10.D

Sample wt/vol: 25.21 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 10 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/31/11 Time: 1057

PercentSolids: 75.2 decanted : Dilution Factor: 10

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	320	U	140	320
11096-82-5	Aroclor-1260	320	U	64	320
11104-28-2	Aroclor-1221	320	U	130	320
11141-16-5	Aroclor-1232	320	U	210	320
53469-21-9	Aroclor-1242	320	U	120	320
12672-29-6	Aroclor-1248	5200		120	320
11097-69-1	Aroclor-1254	1500		100	320

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ft

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211 Lab File ID 86211.D

Sample wt/vol: 25.25 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 10 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/31/11 Time: 0942

PercentSolids: 74.4 decanted : Dilution Factor: 1

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	32	U	14	32
11096-82-5	Aroclor-1260	32	U	6.5	32
11104-28-2	Aroclor-1221	32	U	13	32
11141-16-5	Aroclor-1232	32	U	21	32
53469-21-9	Aroclor-1242	32	U	12	32
12672-29-6	Aroclor-1248	3400	~~E~~ R	12	32
11097-69-1	Aroclor-1254	980	~~E~~ R	10	32

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-SB-9 3ft-4ftDL1

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386211DL1 Lab File ID 86211D5.D

Sample wt/vol: 25.25 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 10 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/31/11 Time: 1112

PercentSolids: 74.4 decanted : Dilution Factor: 5

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	160	R	69	160
11096-82-5	Aroclor-1260	160		32	160
11104-28-2	Aroclor-1221	160		64	160
11141-16-5	Aroclor-1232	160		110	160
53469-21-9	Aroclor-1242	160		58	160
12672-29-6	Aroclor-1248	3700		58	160
11097-69-1	Aroclor-1254	1000		50	160

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-DISP-SOIL-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: SOIL Lab Sample ID: 350386213 Lab File ID 86213.D

Sample wt/vol: 25.37 Units: G Date Received: 08/23/11

Concentrated Extract Volume: 10 Date Extracted: 08/25/11

Level:(low/med) LOW Date Analyzed: 08/31/11 Time: 1012

PercentSolids: 90.1 decanted : Dilution Factor: 1

Extraction: SONC Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/KG

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	26	U	11	26
11096-82-5	Aroclor-1260	26	U	5.3	26
11104-28-2	Aroclor-1221	26	U	10	26
11141-16-5	Aroclor-1232	26	U	18	26
53469-21-9	Aroclor-1242	26	U	9.6	26
12672-29-6	Aroclor-1248	210		9.6	26
11097-69-1	Aroclor-1254	91		8.3	26

PCB ORGANIC ANALYSIS DATA SHEET

EPA Sample No.: KD-IDW-WATER-01

Lab Name: Spectrum Analytical, Inc. Contract: Kokomo Dump / 2010101 / 101

Lab Code : PEL Case No. SAS No: SDG No.: 3503862

Matrix: WATER Lab Sample ID: 350386214 Lab File ID 86214.D

Sample wt/vol: 980 Units: ML Date Received: 08/23/11

Concentrated Extract Volume: 10 Date Extracted: 08/24/11

Level:(low/med) LOW Date Analyzed: 08/29/11 Time: 1615

PercentSolids: 0 decanted : Dilution Factor: 1

Extraction: SEPF Station ID: Method: 8082

GPC Cleanup : (Y/N) N pH:

Column(1): STX-CLP1 ID: 0.32 (mm)

CONCENTRATION UNITS: UG/L

CAS NO.	*ANALYTE*	*RESULT*	*Q*	*MDL*	*RL*
12674-11-2	Aroclor-1016	0.51	U	0.37	0.51
11096-82-5	Aroclor-1260	0.51	U	0.26	0.51
11104-28-2	Aroclor-1221	0.51	U	0.44	0.51
11141-16-5	Aroclor-1232	0.51	U	0.2	0.51
53469-21-9	Aroclor-1242	0.51	U	0.32	0.51
12672-29-6	Aroclor-1248	1.2		0.13	0.51
11097-69-1	Aroclor-1254	0.34	J	0.12	0.51